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Report on Forest Administration in the Central Provinces for the year, 1889-90

Sup. Forest/Admin.

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No. 967F., dated Calcutta, the 24th November 1890.

From—SIR E. C. BUCK, Secretary to the Government of India, Revenue and Agricultural Department,

To—The Chief Commissioner of the Central Provinces.

I AM directed to acknowledge the receipt of your letter No. $\frac{6598}{675}$, dated 17th ultimo, forwarding the Annual Report on Forest Administration in the Central Provinces for the year 1889-90, together with your Resolution thereon.

2. During the year, the forest area in the Central Provinces was formed into two separate Conservators' charges, but on the present occasion a single Report has, for the sake of convenience, been drawn up for the whole Province. This Report was submitted to you by the Conservator of the Southern Circle more than a month late, and was received by the Government of India on the 22nd October, instead of on the prescribed date, the 1st September. I am to request that arrangements may be made for the more punctual submission of the Reports which, it is stated, each Conservator will draw up separately for his own Circle in future. It is necessary that the Government of India should receive the Reports in time to admit of their review before the close of the Simla season.

3. Although the area under the control of the Forest Department remained practically the same throughout the year, the only alterations being a *net* decrease in the Reserves of 4 square miles, due to disafforestation, and of 7 square miles in the Unclassed Forests, due to a recomputation of areas, satisfactory progress was made in the work—practically amounting in many cases to a new Settlement—of transferring Reserved areas from "Class B," which are not under regular forest treatment and which are liable to be given up for cultivation as this extends, to "Class A," which are already under strict conservation or which it is intended to place under such treatment as soon as possible. The area of the latter class of Reserves was more than doubled during the year, having increased from 4,010 square miles at its commencement to 8,163 square miles at its close.

4. The condition of the forest boundaries and the nature and cost of the demarcation work carried out during the year have been very fully reported on. The total length, so far as it is possible to estimate this at present, of the artificial boundaries of the forests in the Central Provinces amounts to 14,408 miles, and, of these, all but 934 miles are stated to have been cleared during the year. In addition, 12,204 new boundary marks were built and 34,856, out of a total of 84,213 previously existing marks, were repaired. The small amount—only Rs. 7,991 in all, of which Rs. 4,187 were spent on new works—expended on these operations would, however, indicate that the work has not been done in a very substantial manner; and I am to suggest that, in the interests of economy, the advisability of all boundary marks being made as permanent and durable as possible should be brought to the notice of the Conservators.

5. Survey parties belonging both to the Survey of India and to the Forest Survey Branch were employed during the year, and would appear to have completed the topographical survey of 817 square miles on the scale of 4 inches to 1 mile and 69 square miles on the 16-inch scale. Skeleton traces showing, in the manner previously suggested by you, the nature of the soil and the forest-growth were also, it is stated, prepared for the 404½ square miles mapped by the Survey of India party. The Government of India are informed that similar information is always recorded by the surveyors of the Forest Survey Branch with regard to the areas surveyed by them, and that the special attention of the Superintendent of that Branch has recently been directed to the point in connection with the surveys in progress in the Central Provinces.

6. It is stated that a commencement was made in the Northern Circle in the preparation of Working-Plans. The Government of India regret that the exigencies of the service have rendered it necessary, since the close of the year,

to transfer to another Province the special officer employed on this work, but they trust that this will not necessitate a cessation of the work commenced.

As has already been pointed out by the Government of India in reviewing the Forest Administration Report for the year 1888-89, it is only by utilizing the Divisional Staff that, in view of the immense area for which Plans are required, any material progress can be looked for.

In this connection, I am to invite your attention to paragraph 55 of the Report and to say that all Working-Plans, whether of a more than usually provisional nature or not, should be drawn up in consultation with the Inspector General of Forests, by whom they will be submitted to the Local Government for orders. I am also to say that details of the results of enumeration surveys, such as appear in paragraph 57, need not be recorded in the Annual Progress Reports.

*Vide* Circular No. 9-F. of 14th May 1889 and Section 69 of Forest Department Code.

7. It would appear that the sum spent on road-improvements during the year amounted to Rs. 2,036 only, and on buildings to Rs. 4,131. This outlay, although in excess of the expenditure incurred on similar works in the previous year, does not *primâ facie*, seem to be proportionate to the probable requirements of the vast area administered by the Forest Department in the Central Provinces.

8. Both the number of cases of breaches of the Forest Rules taken into Court and the number of offences compounded were greater than in the previous year, as will be seen from the following statement :—

| Circle. | Number of new Cases. | | | Proportion of Convictions to total number of cases decided by the Court. |
|---|---|---|---|---|
| | Taken into Court. | Compounded. | Total. | |
| | | | | Per cent. |
| Northern ... ... | 151 | 2,675 | 2,826 | 75 |
| Southern ... | 142 | 5,586 | 5,728 | 76 |
| Total in 1889-90 ... | 293 | 8,261 | 8,554 | 75 |
| " 1888-89 ... | 213 | 7,303 | 7,516 | 76 |
| Difference in 1889-90 ... | +80 | +958 | +1,038 | -1 |

The proportion of convictions to the total number of cases disposed of by the Courts is low, and the Government of India concur in the remarks on this subject contained in paragraph 14 of your Resolution. The relatively large number of offences compounded in the Central Provinces has been alluded to in previous orders on the Annual Reports. The omission to record the amount paid to the Department in such cases has, it is observed, been noticed by you.

9. Although the measures taken to protect the forests from firewere somewhat less successful than in the previous year, the results achieved are, in consideration of the larger area attempted, creditable to the Forest Staff, and the continued success of the regulations issued by you, in regard to the firing of the grass and undergrowth on lands situated outside the forests, is especially satisfactory. The following statement compares the results of 1889-90 with those of the previous year:—

| Circle. | Area attempted | Failures. | Area protected. | Proportion of Failures to area attempted. | Cost. Per square mile protected. | Cost. Per acre protected | Proportion of area under Fire-protection to total area of Reserves |
|---|---|---|---|---|---|---|---|
| | Sq. miles. | Sq. miles. | Sq. miles. | Per cent | Rupees. | Pies. | Per cent. |
| Northern ... | 1,496 | 56 | 1,440 | 4 | 12 | 3 | 15 |
| Southern ... | 1,391 | 119 | 1,272 | 9 | 15 | 4 | 14 |
| Total in 1889-90 ... | 2,887 | 175 | 2,712 | 6 | 13 | 4 | 15 |
| " 1888-89 ... | 2,502 | 105 | 2,397 | 4 | 13 | 4 | 13 |
| Increase in 1889-90 ... | 385 | 70 | 315 | 2 | ... | ... | 2 |

10. It would appear from the statement given in paragraph 87 of the Report that, omitting two Divisions from which, for reasons which have not been explained, no returns were received, grazing was more or less controlled in 1,460 square miles, out of a total area of 17,030 square miles, for which returns were submitted, and that it was entirely excluded during the whole year from 1,320 square miles, or 8 per cent. of this area. The number of animals licensed to graze in the forests during the year amounted to over three millions, or, omitting the areas closed, to about one animal to every 4 acres. This information, which was asked for in the orders passed by the Government of India on the previous year's Report, is interesting, but would seem to indicate that the area left open to grazing is needlessly large. Detailed criticism is, however, impossible until it has been found feasible to distinguish and class separately, in the manner suggested in the orders passed on the previous year's Report, those areas in which the principal product is fodder from those which it is necessary to treat permanently with a view to the production of wood. The Government of India are aware that you fully realize the importance of making grazing subservient to sylvicultural treatment as regards the latter class of areas, and further remarks on the point are, therefore, unnecessary.

11. The remarks on the subject of natural reproduction contained in Appendix E to the Report are, in some instances, not sufficiently precise. It is, however, noticed with satisfaction that in most cases reproduction is all that can be desired in forests which are protected from fire and grazing, and the extension of such protection to all areas which are primarily preserved for the production of wood will doubtless be kept steadily in view.

12. It is a matter for regret that cultural operations, having for their object the improvement of the composition of the forests, have not as yet been undertaken to any appreciable extent in the Central Provinces; and I am to suggest that in future years a larger proportion of the expenditure might be advantageously devoted to such works. During the year under review, only Rs. 922 were expended on plantations, and Rs. 1,168 (which was, however, more than recouped by the sale of the material cut) on improvement fellings. This expenditure does not amount to one rupee to every ten square miles of the area under the control of the Department, and cannot have any material influence on the improvement of the forests. The "improvement cuttings" which, it is stated in Appendix G. to the Report, were carried out over

an area of 12,273 acres in the Mandla Division, would not appear to have been a very thorough operation, as it is explained that it cost only Rs. 40, and merely consisted in the felling of 325 ill-grown trees.

13. Both the quantity of forest produce cut and removed by departmental agency and that removed direct by purchasers were less than in the preceding year, as will be seen from the following statement :—

| By whom removed. | Timber. | Fuel. | Bamboos. | Minor produce. | Average per square mile. Timber and Fuel. | Bamboos. | Minor produce. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | Cubic feet. | Cubic feet. | No. | Rs. | Cubic feet. | No. | Rs. | |
| **Northern Circle.** | | | | | | | | |
| *Reserved Forests.* | | | | | | | | |
| Government agency ... | 48,761 | 4,619 | 53,187 | 14,199 | ... | ... | ... | There are no right-holders in the State forests, and no free-grants were made during the year, except to some villagers whose houses were burnt down and who were allowed produce, valued at Rs. 293 (at full rates), at half price. |
| Purchasers ... ... | 386,717 | 2,287,581 | 4,687,689 | 3,33,751 | ... | ... | ... | |
| Total ... | 435,478 | 2,292,200 | 4,740,876 | 3,47,950 | 271 | 471 | 35 | |
| **Southern Circle.** | | | | | | | | |
| *Reserved Forests.* | | | | | | | | |
| Government agency ... | 138,079 | 49,966 | 67,809 | 18,305 | ... | ... | ... | |
| Purchasers ... ... | 573,532 | 2,879,987 | 4,637,807 | 3,38,002 | ... | ... | ... | |
| Total ... | 711,611 | 2,929,953 | 4,705,616 | 3,56,307 | 377 | 487 | 37 | |
| Grand Total in 1889-90 ... | 1,147,089 | 5,222,153 | 9,446,492 | 7,04,257 | 323 | 479 | 36 | |
| " " " 1888-89 ... | 1,324,171 | 5,275,895 | 11,000,689 | 6,56,849 | 335 | 558 | 33 | |
| Difference in 1889-90 ... | —177,082 | —53,742 | —1,554,197 | + 47,408 | —12 | —79 | +3 | |

The Government of India are glad to observe that the question of the rates charged for forest produce is receiving your attention, and that you have directed that these rates should be carefully considered in view of the special circumstances of each locality. This question merits, as you state, the particular attention of the officers of the Forest Department, and is one of the points which Forest Working-Plans, did such exist in the Central Provinces, would assist in deciding.

14. The financial results of the year under review, owing to the smaller quantities of forest produce sold, were somewhat less favourable than in the preceding year, with which they compare as follows :—

| Circle. | Receipts. | Charges. | Surplus. | Proportion of Surplus to gross Revenue. |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Per cent. |
| Northern ... ... | 5,38,440 | 2,91,039 | 2,47,401 | 46 |
| Southern ... ... | 6,17,741 | 3,29,689 | 2,88,052 | 47 |
| Total in 1889-90 ... | 11,56,181 | 6,20,728 | 5,35,453 | 46 |
| " 1888-89 ... | 11,80,405 | 5,99,599 | 5,80,806 | 49 |
| Difference in 1889-90 ... | — 24,224 | + 21,129 | — 45,353 | — 3 |

15. The Government of India have read with interest your remarks concerning the Forest Staff. The weakness of the Executive Staff of officers of the Ranger class—of which, out of 44 sanctioned appointments, only 28 were filled—is much to be regretted, and it appears questionable whether efforts should not be made to obtain men qualified to fill these posts by improving the

conditions of service and otherwise rendering it more attractive to men of the class required. As the operations of the Forest Department develop, much of the work hitherto performed by officers of the Upper Controlling Staff must, in the interests of economy, be carried on by men on the lower pay of the Ranger and Sub-Assistant grades, in which any future increase required in the staff must, for the most part, be made. It is, therefore, of the utmost importance that competent persons should be obtained for these appointments. Your attention is, in connection with this matter, invited to the remarks, contained in paragraph 8 of Mr. Benett's letter, No. 354F., dated the 7th May 1890, reviewing last year's Report.

16. In conclusion, I am to convey the acknowledgments of the Government of India for your complete review of the progress of Forest Administration in the Province during the past year, and to express the concurrence of His Excellency in Council in your remarks regarding the good service rendered by those officers of the Forest Department whom you have favourably mentioned.

*Appendix showing the discrepancies noticed in the Report of Forest Administration in the Central Provinces for 1889-90.*

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(i) In paragraph 12 of the Chief Commissioner's Resolution and paragraph 11 of the Report, the percentage of punishments to total actual strength of the Subordinate Staff in 1888-89 is given as 21·41; whereas in Appendix D. to the Report for that year, the percentage in question is entered as 19·45.

(ii) In paragraph 13 of the Chief Commissioner's Resolution and paragraph 12 of the Report, the number of breaches of the Forest Law in 1888-89 is stated to have been 7,494; while the Report for that year (paragraph 50, and paragraph 9 of Chief Commissioner's Resolution) shows that this number was 7,481.

(iii) *Form No. 52.*—This prescribed form has not been prepared, while Appendix F. contains information similar to that usually recorded in Form No. 52 in other Provinces. Under the second clause (revised) of section 238 of the Forest Department Code, Appendix F. is unnecessary, and, instead of it, Form No. 52 should have been submitted.

(iv) *Form No. 56.*—The contents of the Timber on hand at the commencement of the year are given as 34,236 cubic feet; whereas the figure in the Report for 1888-89, as being on hand at the close of that year, is 34,235 cubic feet. The discrepancy is due to the contents of 36 teak-sleepers 3′×3″×3″ being entered as 7 cubic feet in the Report for 1889-90, while they were shown as 6 cubic feet in the Report for 1888-89.

[ K. C. M.]

C. C. Press, Simla.—No. 832 R. & A. D.—10-12-90.—220.]

No. $\frac{6399\text{-A}}{665}$

*Extract from the Proceedings of the Chief Commissioner, Central Provinces, in the General Department,—dated Pachmarhi, the 10th October 1890.*

READ—Letter from the Conservator of Forests, Southern Circle, No. 226-B—108, dated the 16th August 1890, submitting the Report of Forest administration in the Central Provinces for the year 1889-90.

READ ALSO—the District Forest Reports.

## RESOLUTION.

The most important change in the organization of the Department which has occurred during the year under report is the appointment in October last of a second Conservator. The Provinces have been divided into two Conservators' charges, the Southern Circle comprising the districts of the Nagpur and Chhattisgarh Divisions together with the districts of Chhindwara and Seoni; the Northern Circle comprising the remaining districts of the Jubbulpore and Nerbudda Divisions. The extent of the forest area in the two circles is [illegible] and 10,077 square miles respectively. On the present occasion the Report for the whole Province has been drawn up by Mr. Thompson, the Conservator of the Southern Circle. Hereafter each Conservator will submit a separate report for his own Circle.

2. The controlling and superior Executive staff was strengthened during the course of the year by the addition of a Working Plans Officer, of one Deputy Conservator transferred from Assam, and one lent by the Bombay Government, and of two Assistant Conservators (paragraphs 10 and 59 of the Report), but for various reasons its effective working power is not so great as might at first sight be supposed. Some members of the superior staff have proved to be far from efficient; others have from sickness or accident become incapable of standing the exposure and hard work which falls to the lot of the Forest Officer; and it is difficult to make satisfactory arrangements for filling the places of men on leave. The two new Assistant Conservators, having only just come out from England, are as yet inexperienced. The Working Plans Officer has now (October 1890) been transferred to another Province, and the Chief Commissioner learns with regret that the Government of India is unable to send another officer in his place. Mr. Mackenzie is well aware of the difficulty which the Supreme Government experiences in providing men for the work of the Department in the various provinces of India. It is right, however, that he should state that the Staff in the Province is not equal to the heavy strain of work put on it, and that some allowance must be made for deficiencies in administration resulting therefrom. He would welcome the transfer to the Province of a few trained Sub-Assistants, if it is impossible to supply officers of higher rank.

3. The table in paragraph 70 of the Report shows to what extent the sanctioned scale of the subordinate staff has been worked up to. Of the 177 Foresters sanctioned, 176 have been appointed. The staff of permanent Forest Rangers is still short (28, against a sanctioned strength of 44); but care has to be exercised in appointing none but competent men to this class--the more so as, on grounds of economy, it will inevitably be necessary hereafter to employ men of the Ranger class on higher and more responsible duties than they ordinarily perform at present. Men are required who can in time be confidently placed in charge of Sub-Divisions.

4. With the exception of Damoh, all Forest Divisional charges are reported to have been re-organized, being divided off into Ranges, Sub-Ranges, and Forest Guards' beats (paragraph 2 of the Report). A good and clear distribution of duties and responsibilities lies at the bottom of all successful administration, and the Chief Commissioner trusts that this has now been satisfactorily provided for in the re-arrangement of the charges of all classes of the Forest staff. The Forest areas under his supervision having been divided off into convenient administrative units in successive grades, a good controlling officer should be able to detect at once any weak spot in the administrative machinery, and put matters right where they have gone wrong. This is a matter of the very first importance.

5. The forest area under the control of the department has been slightly reduced, as shown below :—

| | On 1st April 1889. | On 31st March 1890. | Difference. |
|---|---|---|---|
| Reserved Forests ... | 19,712 | 19,708 | —4 |
| Unclassed State Forests... | 325 | 318 | —7 |
| Total square miles ... | 20,037 | 20,026 | —11 |

In Bhandara, Chhindwara, Sambalpur, Mandla and Nimar certain additions have been made to the Reserved Forests, while in Hoshangabad, Damoh, Saugor, Sambalpur and Bhandara certain areas have been disforested, the net result being a decrease, as shown above, of 4 square miles in the area of Reserved Forests. The reduction of 7 square miles in the Unclassed Forests is due to re-computation. These forests are situated chiefly in Seoni (191 square miles), Balaghat (97 square miles), and Damoh (21 square miles). Nothing in the way of including the greater portion of them in the Reserves, in accordance with the previously expressed wishes of the Chief Commissioner, has been as yet accomplished, and the explanation of the delay in disposing of the subject given in paragraph 30 of the Report is not altogether satisfactory.

6. As stated in last year's Report, the Reserved Forests are classified as—

*A.*—Reserves under strict conservation or to which it has been decided to extend strict conservation as soon as possible.

*B.*—Other Reserves classed as—

(1). Areas selected from time to time as available for the introduction or extension of cultivation.

(2). Other areas.

And the aim of the Forest Department is to add, from year to year, to the A Reserves by transfers from Class B, until the area brought into Class A is sufficiently large to meet in the future the requirements of all tracts which are likely to draw upon it for the supply of forest produce. Material progress has been made in effecting such transfers; for the area of the A Reserves, which stood at 4,010 square miles at the beginning of the year, had been increased at its close to *8,163 square miles. Transfers of areas varying in size have been made in all districts except Jubbulpore, Saugor, Damoh, Betul and Hoshangabad.

* Since the close of the year this figure has been raised to 8,904.

7. The area at present comprised in Class B (1) is shown in Appendix A to be 376 square miles, of which 194 are in Nimar, 176 in Mandla and 5 in Seoni; and the area in Class B (2) is shown in the same place to be 11,169 square miles, making a total area for the B Reserves of 11,545 square miles. As stated in the orders of the Government of India on the last Forest Report, the effect of the arrangements which are being gradually carried out in accordance with the Chief Commissioner's Resolution No. 6505—382-A, dated the 8th November 1888, will be this—that the greater part of the B Reserves will, in course of time, be absorbed, the B (1) portions being given over to cultivation, and the B (2) being transferred to A.

The two classes of Reserves A and B do not appear to have been separately entered in Form No. 49 in the case of all districts, as ordered by the Government of India.

8. The demarcation of boundaries (details of which are given in paragraphs 31 to 50 of the Report) appears on the whole to have made good progress, but no report has been received of the work done in Damoh; operations have been delayed in the Sironcha Sub-Division, owing to difficulty in checking the boundaries; and in Chanda some of the work done in previous years will have to be re-done, owing to the insufficiency of the marks then put down. Apparently the only serious boundary dispute is with the Zamindar of Ahiri (paragraph 35). No action is said to have been yet taken to settle this dispute, and the Chief Commissioner would be glad to have a special report giving further particulars regarding it. Considerable progress is reported to have been made in the preparation of boundary registers, though the work is still in a backward state in all Divisions except Raipur, where it has been completed. The completion of these registers is a matter of much importance.

9. Three parties of the Forest Survey Branch carried on the survey work previously started in the Raipur, Jubbulpore and Chanda Districts, and a fourth party began work in Bhandara. The topographical survey of forest areas in Hoshangabad and Betul has been continued under Colonel Wilmer, and skeleton traces showing the forest growth and soils of 404½ square miles of the forest area surveyed have been furnished by that Officer to the Department. In its orders on last year's Report the Government of India alluded to the utility of such tracings, and stated that the system under which they have been so successfully prepared by Colonel Wilmer's party had been brought to the notice of the Inspector-General of Forests for communication to Forest Officers generally. No report having been received from the Superintendent of Forest Surveys as to the work done in this respect under his orders, it is impossible to say to what extent the plan has been tried or found successful elsewhere. Mention is, however, made in the Raipur Forest Report of good work done in this direction in that district.

10. A Working Plans Officer was appointed, and began work in the Northern Circle towards the close of the year. This officer has now (October 1890) been transferred elsewhere on promotion, and the Chief Commissioner fears that owing to the more pressing need of having competent officers in charge of Divisions, it may not be possible for him to depute another officer of the Central Provinces Staff to take up the work begun by Mr. Dickinson. Should this

be so, the most that can be done is to have simple plans prepared by Divisional officers for the less important forests, and materials collected by them for the compilation by a special officer of more elaborate plans at some future date. Paragraphs 55, 57 and 58 of the Report show that a commencement in this direction has been already made.

11. No explanation is given of the failure of the officers in charge of the Seoni and Hoshangabad Divisions to furnish the prescribed annual plans of operations for 1889-90. Without these no proper supervision can be exercised by the Conservator, nor can the operations of the Department be systematic. The Conservators should insist not only on their regular submission, but also on their careful preparation.

12. The percentage of punishments to total actual strength of the subordinate staff was 26·39 compared with 21·41 in the previous year. The increase is ascribed partly to the delinquencies of new hands and partly to more rigorous exaction of duties. The conduct of Forest Rangers appears to have been generally good, but that of Foresters less satisfactory.

13. The number of breaches of Forest Law reported was 8,837 against 7,494 in the preceding year, or an increase of 1,343. There was a considerable decrease in the reports of "unauthorized felling and removal of forest produce," but this was more than counterbalanced by a large increase in the number of cases of "grazing without permission" and of "other offences." The decrease in the first and the increase in the latter classes of offence occurred chiefly in the Southern Circle. The explanation offered of this result is not quite clear. It is apparently ascribed to the superior alertness of the forest establishments in the Southern Circle, owing to whose vigilance fewer attempts were made to carry off forest produce without a license, and greater success was at the same time obtained in detecting other offenders.

14. Of 9,389 cases disposed of, 8,261 were compounded, 218 were convicted in the Courts, 437 were acquitted by the Courts or not proved, and 473 were pending at the close of the year.

The Report does not state what amount was paid to the department as compensation for damage in compounded cases, as desired by the Government of India in its orders on last year's Report. The percentage of cases convicted to tried was 75·4 against 75·6 in the preceding year. The details given in paragraph 79 of the Report of the percentages of conviction obtained in the several districts exhibit widely differing results. It is only by an examination of individual cases that it is possible to say whether cases which resulted in acquittal were properly prosecuted, and the only comment which the Chief Commissioner is in a position to make is, that in those districts in which the percentage of convictions was abnormally low a wrong discretion in ordering prosecution was presumably exercised. Forest Officers should bring to the notice of the Deputy Commissioners any cases in which they consider that offenders have been improperly acquitted by the subordinate Magistracy.

15. An additional area of 246,365 acres was brought under organized protection from fire, raising the total area so protected to 2,887 square miles, equivalent to 35 per cent of the Class A Reserves. Failures amounted to 6 per cent of the area attempted, against 4 per cent in the preceding year.

The only districts in which failure was marked are Bilaspur, Nimar and Raipur. The cost of successful protection per square mile was Rs. 13-7-3, against Rs. 13-0-7 in the previous year.

Of the forests not under special protection, 54 per cent escaped fire—a very satisfactory result. In the Hoshangabad and Nagpur Divisions no less than 97½ per cent escaped fire, and much credit is due to Messrs. Thomas and Watson, the officers in charge, for their success.

16. No change was made during the year in the rules for regulating grazing. Excluding the Hoshangabad and Betul Divisions, for which returns have not been received, it appears from the Statement given in paragraph 87 of the Report that an area of 1,320 square miles of forest was closed to all animals all the year round, and that an additional area of 140 square miles was closed either to certain animals (camels, goats and sheep) for the whole year or to all animals for a part of the year. In the Nagpur Division upwards of one half (245 square miles) of the Forest area is closed. Considerable areas are also closed in Chanda (318), Mandla (295), Nimar (151) and Seoni (110). In other Divisions the closed areas are comparatively insignificant in extent.

17. Details are given in paragraph 88 of the Report of the stock which grazed in the Government forests. The total number fell from 3,198,621 in 1887-88 to 2,913,989 in 1888-89, and has now risen to 3,009,382. There was an increase, in round numbers, of 85,000 head in the Southern, and of 10,000 head in the Northern Circle. The decrease last year (1888-89) was attributed to the revision of the grazing rates in certain districts. It was stated in the Chief Commissioner's review of the Report for that year that the grazing rates had been revised district by district in communication with the District Officers and Commissioners with full regard to local circumstances, and that the fees charged were far from being oppressive, and were in some districts lower than they ought to be. The increase of stock grazed in 1889-90 is pretty general, though more marked in some districts than in others; and there can be little doubt that stock owners are bringing their cattle back to the Government forests in preference to grazing them elsewhere, in spite of the higher rates now charged. This is satisfactory proof that generally speaking the fees are such as can be fairly demanded. The revenue from grazing amounted to Rs. 5,08,032 against Rs. 4,61,447 in the preceding year.

18. The rules (made in February 1889) for the issue of annual grazing licenses for travelling stock, to which reference is made in paragraph 89 of the Report, were the out-come of prolonged discussion. The owners of such stock, on taking out the required license, for which a moderate fee is charged, are permitted to graze and cut grass for their cattle in any open forest in the Province. The persons in charge of the cattle are also entitled, under cover of the same license, to take dead firewood and leaves for plates sufficient for their daily wants. Formerly Banjaras and other nomadic classes of the people were liable to be stopped by the Forest officials, and made to pay forest grazing fees in every district through which they passed, and the large number of these licenses taken out during the past year shows that the new rules have been appreciated.

19. A sum of Rs. 2,036 was spent on road improvement and Rs. 4,130 on buildings, compared with Rs. 990 and Rs. 2,432 in the preceding year. The proper housing of the subordinate staff, who have often to live in remote and unhealthy localities, is calculated to make Forest service more popular, and

expenditure on this account should not be grudged. The Chief Commissioner considers that under both communications and buildings a larger outlay would be money well spent.

20. The quantity, in tons, of forest produce of all kinds cut and removed by departmental agency was 6,064, against 7,712 in the preceding year and 4,709 in 1887-88. But, as shown in paragraph 120 of the Report, the surplus resulting from departmental operations was larger than in 1888-89 (Rs. 73,356 against Rs. 61 866). The demand for Government timber was stagnant, owing to the large stock of private timber still lying in the local markets.

The quantity removed by purchasers and consumers is estimated at 189,177 tons compared with 212,596 in the previous year, the decrease being common to all heads. It is difficult to say to what extent this decrease is due to continued suspension of demand owing to the revision of the rates, which was the explanation given of a similar decrease last year. It is true, however, as stated by the Conservator, that a severe and prolonged epidemic of cholera paralysed the people, and the decrease may be justly attributed in part to this cause. The quantity of timber of the reserved kinds which is taken by purchasers is believed by the Chief Commissioner to be very small, and it is said in some of the district reports that the rates charged are much higher than the market rates for private produce of the same kind. Whether the Government rates can be reduced, so as to bring in an immediate increase of revenue without injury to future Forest interests, is a question which can only be decided on a consideration, from a professional point of view, of the circumstances of individual Forest localities. The matter is worthy of the attention of the Department. At present the revenue derived from the first class Reserves is, in the Chief Commissioner's opinion, much lower than it should be.

21. The financial results of the year are compared below with those of the year preceding :—

| | | 1888-89. Rs. | 1889-90. Rs. |
|---|---|---|---|
| Receipts | ... ... | 11,80,405 | 11,56,181 |
| Expenditure | .. ... | 5,99,599 | 6,20,729 |
| | Surplus ... | 5,80,806 | 5,35,452 |

The decrease in receipts is due to diminished receipts from the sale of timber cut departmentally and of timber removed by purchasers. The increase of expenditure is due to the higher cost of establishments.

22. With reference to the marginally quoted extract from his Resolution on last year's Report, the Chief Commissioner notices that, with a few exceptions, the information given by Deputy Commissioners as to the general condition of private forests and as to the action taken by them in connection therewith is very defective. Nor does the form of return (permits) there referred to appear to have been prepared. The whole subject will be separately dealt with by the Chief Commissioner. He has appointed a Committee, which will sit this month, to frame rules under Section 124A of the Central Provinces Land Revenue Act.

"The duty of watching, and, within certain limits, regulating, the working of Zamindari and Malguzari forests rests with the Deputy Commissioners, with the advice and assistance of their Forest staff. The Chief Commissioner desires that in forwarding the Departmental Reports District officers will, in future, in their covering Memoranda, notice the general condition of these private forests, and give some account of their own action during the year in connection therewith. A return of the number of permits issued for cutting timber of the reserved kinds should be appended. The Conservator will be instructed to prepare a convenient form for this return."

23. The acknowledgments of the Administration are due to the officers named in paragraph 128 of the Report for their good work. Colonel vanSomeren is rendering specially good service in re-organizing the work of his Circle and in devising useful reforms of various descriptions. Mr. Thompson's report is full and clear, and his services as Head of the Department in the Southern Circle also merit special commendation.

---

ORDER.—Ordered that a copy of this Resolution be forwarded to the Conservators of Forests, Northern and Southern Circles, for information and guidance; also that copies, bound with the Report, be distributed as usual.

[True Extract.]

F. C. ANDERSON,

*Offg. Secretary.*

Secretariat Press, Nagpur : 16-10-90—300

No. $\frac{226}{B\text{-}108}$

FROM

R. H. E. THOMPSON, ESQ.,

OFFICIATING CONSERVATOR OF FORESTS, SOUTHERN CIRCLE,

Central Provinces,

To

THE SECRETARY TO THE CHIEF COMMISSIONER,

Central Provinces.

Dated Nagpur, the 16th August 1890.

SIR,

I have the honour to submit the annual Report on Forest administration in the Central Provinces for the year 1889-90, as directed in your office endorsement No. 1752-152, dated the 29th March 1890.

I have the honour to be,

Sir,

Your most obedient Servant,

R. H. E. THOMPSON,

Offg. Conservator of Forests, Southern Circle,

Central Provinces.

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# REPORT

ON

# FOREST ADMINISTRATION

IN THE

# CENTRAL PROVINCES.

## FOR THE YEAR 1889-90.

BY

R. H. E. THOMPSON, Esq.,

Offg. Conservator of Forests, Southern Circle, C. P.

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### Introduction.

There have been material changes in the organization of the Forest Department in these Provinces. During the year a second Conservator of Forests and a Working Plans Officer were sanctioned; and the Forest areas of the Provinces have been equally apportioned between the two Conservators' Circles, known now respectively as the Northern and Southern Circles.

2. The constitution and duties of the subordinate Forest Staff have also undergone change. This establishment from being formerly largely made up of men entertained as temporary, has recently been transferred to the permanent sanctioned staff. The strength of the permanent executive and protective staff as sanctioned by the orders of the Government of India, No. 249 F, dated the 30th March 1887, has been fixed as follows :—

| | | | |
|---|---|---|---|
| Sub-Assistant Conservators | ... | ... | 8 |
| Forest Rangers ... | ... | ... | 44 |
| Foresters ... | .. | ... | 177 |
| Forest Guards ... | ... | ... | 1,299 |

With few exceptions this establishment has now been entertained at its sanctioned strength.

The duties of this Forest Staff have been defined along with its distribution in local charge of permanent sub-divisions of forests.

Forest Divisional charges, with the exception of Damoh, have likewise been reorganized. These charges have been divided into Ranges, Sub-ranges and Forest Guards' beats. A further classification in regard to the larger Forest Divisions appears necessary, namely, into Sub-Divisions, to be held by Junior Officers and Sub-Assistant Conservators, and, where found practicable, also by Senior Forest Rangers.

3. There was small change to record in the areas of reserved forests, which stood on the 31st March 1890 at 19,708 square miles, as against 19,712 square miles on the same date in the previous year.

4. The area of unclassed State Forests has undergone no legal change; and which stood on the 1st April 1890 at 318 square miles.

5. The forest areas transferred from Class B to Class A now amount to 8,163 square miles; 4,153 square miles having been added to the areas since previous report.

6. Demarcation of forest boundaries was in progress, and, with the exception of Damoh, was nearly brought to completion before the year 1889-90 came to a close: the principal work carried on in this connection being the erection of boundary marks and the compiling of boundary registers.

| | |
|---|---|
| Number of miles open on 1st April 1889 ... | 13,346 |
| Number of miles added during year ... | 1,062 |
| Total open on 31st March 1890 ... | 14,408 |
| Number of boundary marks on 1st April 1889 ... | 84,213 |
| Number added during year ... | 12,204 |
| Total maintained .. | 96,417 |

There was a total length of 1,062 miles of boundary added during the year: thus bringing up the actual length of artificial boundaries completed to a total of 14,408 miles for the whole of the Provinces; and the number of boundary marks to 96,417.

7. Forest surveys have been pushed on: the Forest Survey Branch having had three parties at work in the Raipur, Jubbulpore and Bhandara districts; while a fourth party completed the little remaining work there was left over from the previous field season in the Chanda District.

The Imperial Survey of India, under Colonel Wilmer's direction, had also a party at work surveying forest areas in the Hoshangabad and Betul Districts It will thus be seen that in six, out of the eighteen Forest Districts in these Provinces, Forest surveys were being carried out during the past year.

8. The work of classification of forests and soils was also in progress during the year in connection with Forest surveys in the Raipur, Jubbulpore, Bhandara, Hoshangabad and Betul Districts. The skeleton maps showing the field results of this work have not yet been received.

9. A Working Plans Officer was appointed, and who commenced work about the last quarter of the year. Little was therefore done except in so far as the settlement of preliminary questions was concerned. The Working Plans Officer's report will be found in Appendix C.

10. The year's record shows many changes as having taken place in the *personnel* of the controlling staff. Besides the additional Conservator and a Working Plans Officer, who have already been referred to, there were three Junior Forest Officers appointed from Cooper's Hill. One of these, however, since the year closed has been transferred to Assam in place of a Deputy Conservator of the 4th grade from that Province, now permanently incorporated with the Central Provinces staff.

11. Although the punishment record shows a larger number of the subordinate permanent staff as having undergone punishments of various degrees, yet the general conduct of the staff during the year was on the whole good, Sickness, however, to a very nreat extent had crippled the efficiency of the staff during the year.

| Percentages on actual strength. | |
|---|---|
| 1888-89 .. | 21 41 |
| 1889-90 ... | 26 39 |

12. Breaches of forest law were also largely in excess of the previous year. This is due to the better control now exercised over the protective establishment, with the result that more cases are detected and reported than formerly.

| Cases reported in— | |
|---|---|
| 1888-89 .. | 7,494 |
| 1889-90 ... | 8,837 |
| Difference more ... | 1,343 |

13. A much larger area was brought under organized fire protection during the year than was the case in the year previous. The area added was 15·4 per cent over the total of the previous year. The results of protection were however not quite so favourable, though still very good, considering how very dry the year was. The failures did not amount to more than 6 per cent of the area protected.

| | Square miles |
|---|---|
| Previous year | 2,503 |
| Added during year. | 385 |
| Total ... | 2,888 |

| Failures in— | |
|---|---|
| 1888-89 ... | 4 per cent |
| 1889-90 .. | 6 " |

14. The aggregate area of unprotected forests which escaped fire during last dry season was 9,349 square miles, as against 8,782 square miles in the previous year. Forest fires were far more prevalent during the past dry season in the Eastern than in the Western districts of the Provinces.

15. The receipts from grazing have again increased by 9·01 per cent, or by Rs. 41,585. There has also been an increase by 3·27 per cent in the number of animals brought to graze.

16. There was again little to record of operations connected with sylviculture, and the work completed was, nearly in all cases, that sanctioned by the annual plans of operations.

The attention of Forest Divisional Officers has been called to the orders of the Government of India in their Review of the Forest Report for 1888-89 on this subject, and it is now hoped that the matter will receive more careful attention in the future than it has done in the past.

17. The work accomplished under Communications and Buildings has, however, been of greater extent than that reported for the year previous.

18. Departmental timber operations were curtailed in consequence of the large supplies of private timber still held by dealers. Some sleepers and wood of various scantlings used for building purposes were, however, manufactured and brought to sale depôts. The crop of myrabôlams was also less than the average of former years, and consequently less was collected and stored for sale than in the previous year.

| Yield of Timber and other produce in— | | Tons. |
|---|---|---|
| 1888-89 ... | | 7,712 |
| 1889 90 ... | | 6,064 |
| Trees felled— | | |
| 1888-89 ... | Teak | 79 |
| | Sal | 505 |
| 1889-90 ... | Teak | 254 |
| Other species ... | | 86 |

| Collected in— | Maunds |
|---|---|
| 1888-89 ... | 22,521 |
| 1889-90 ... | 17,481 |

The maund is of 80 lbs

19. Less forest produce was removed by purchasers and consumers than was the case in the previous year; but, except as regards building wood, receipts from all other sources have risen although shorter quantities of produce were removed. This last result accrues from the revision of rates sanctioned during the previous year.

| Timber and other produce removed in— | Tons. |
|---|---|
| 1888-89 ... | 212,596 |
| 1889-90 ... | 189,177 |
| Less ... | 23,419 |

20. In consequence of the prevalence of cholera and fever during the past year fewer people resorted to the forests, and hence there were fewer demands for building material from the Government forests.

21. The financial results show a decrease in total receipts of Rs. 24,224, or by 2·05 per cent; while the expenditure of the Department shows an increase over previous year of Rs. 21,129, or by 3·52 per cent.

The decrease in receipts is mainly due to less timber having been sold during the year, and the increase of expenditure is due to the salaries of establishments aggregating more than they did in the previous year.

The net surplus has therefore decreased by 7·81 per cent. The totals of receipts, expenditure and surplus for the year 1889-90 were therefore as follows:—

| | | Rs. |
|---|---|---|
| Receipts | ... | 11,56,181 |
| Expenditure | ... | 6,20,728 |
| Surplus | ... | 5,35,453 |

## CHAPTER I.

### Area and Boundaries.

*Area.*

22. The following table exhibits the Forest areas, the property of Government, which were under the management and control of the Forest Department, Central Provinces, on the 1st April 1890.

| Districts. | | Forest area in square miles. | | | Proportion of Forest to the whole area of the district. |
|---|---|---|---|---|---|
| Name. | Area in square miles. | Reserved. | Unclassed State. | Total. | |
| *Southern Circle.* | | | | | Per cent. |
| Nagpur ... | 3,843 | 517 | 6 | 523 | 14 |
| Bhandara ... | 3,968 | 551 | ... | 551 | 14 |
| Wardha ... | 2,428 | 200 | ... | 200 | 8 |
| Chanda ... | 10,749 | 3,463 | ... | 3,463 | 32 |
| Balaghat ... | 3,139 | 1,015 | 97 | 1,112 | 35 |
| Seoni ... | 3,207 | 775 | 191 | 966 | 30 |
| Chhindwara ... | 4,630 | 706 | 1 | 707 | 15 |
| Raipur ... | 11,724 | 1,383 | 2 | 1,385 | 12 |
| Bilaspur ... | 8,341 | 648 | ... | 648 | 8 |
| Sambalpur ... | 4,948 | 394 | ... | 394 | 8 |
| Total ... | 56,977 | 9,652 | 297 | 9,949 | 17 |
| *Northern Circle.* | | | | | |
| Jubbulpore ... | 3,948 | 381 | .. | 381 | 10 |
| Saugor ... | 4,007 | 753 | ... | 753 | 19 |
| Damoh ... | 2,831 | 817 | 21 | 838 | 30 |
| Mandla ... | 5,017 | 3,001 | ... | 3,001 | 60 |
| Betul ... | 3,824 | 1,139 | ... | 1,139 | 30 |
| Hoshangabad ... | 4,594 | 1,895 | | 1,895 | 41 |
| Nimar ... | 3,357 | 1,806 | . | 1,806 | 54 |
| Narsinghpur ... | 1,016 | 262 | ... | 262 | 14 |
| Total ... | 29,524 | 10,056 | 21 | 10,077 | 34 |
| Grand Total ... | 86,501 | 19,708 | 318 | 20,026 | 23 |

The total area of Government Forests at commencement and close of the year was, in acres :—

| | On 1st April 1889. | On 31st March 1890. | Difference. |
|---|---|---|---|
| Reserved forests ... | 12,615,968 | 12,613,319 | —2,649 |
| Unclassed State forests ... | 207,761 | 203,647 | —4,114 |
| Total ... | 12,823,729 | 12,816,966 | —6,763 |

The same expressed in square miles :—

| | On 1st April 1889. | On 31st March 1890. | Difference. |
|---|---|---|---|
| Reserved forests ... | 19,712 | 19,708 | —4 |
| Unclassed State forests ... | 325 | 318 | —7 |
| Total ... | 20,037 | 20,026 | —11 |

The changes affecting the legal status of Reserved Forest areas under the administration of the Forest Department are exhibited as follows :—

| | On 1st April 1889. | | Added during the year. | Excluded during the year. | On 1st April 1890. | |
|---|---|---|---|---|---|---|
| | Acres. | Square miles. | Acres. | Acres. | Acres. | Square miles. |
| Southern Circle ... | 6,171,408 | 9,643 | 6,443 | 212 | 6,177,639 | 9,653 |
| Northern Circle ... | 6,444,560 | 10,070 | 1,802 | 10,682 | 6,435,680 | 10,056 |
| Total ... | 12,615,968 | 19,712 | 8,245 | 10,894 | 12,613,319 | 19,708 |

*Explanation of areas added during the year.*

23. In Bhandara 33 acres were added to the Matora Reserve, *vide* Notification No. 3903, dated the 27th June 1889.

Southern Circle.

In Chhindwara 6,175 acres were added, part of which is due to correction of previous area, and part to the resumption of land which had been given out under the old Waste Land Clearance Rules within forest area subsequently notified as reserved under Section 34 of Act VII of 1878. Hitherto the land so

resumed has been returned, erroneously though, as unclassed State forest. This error has now been corrected.

In Sambalpur 235 acres, being the combined areas of three forest blocks known as Narainchua, Pantai Durga and Banchbore, were declared reserved forests by Notifications Nos. 7464 and 1560 of 18th December 1889 and 20th March 1890, respectively.

Northern Circle.

In Mandla the Bambori forest, area 960 acres, was declared reserved under Notification No. 3126, dated the 20th May 1889.

And in Nimar 842 acres, being the combined area of two blocks known as Samarphata and Sukta Buzarg lapsed Malguzari villages, were declared reserved forests under Notification No. 1692, dated the 27th March 1890.

*Explanation of areas excluded during the year.*

Southern Circle.

24. In Bhandara 209 acres were disforested by Notification No. 6651, dated the 13th November 1889, from the Parkabori Reserve, in order to permit the extension of cultivation.

In Sambalpur 3 acres were disforested by Notification No. 4014, dated the 3rd July 1889, from the Motijharun Reserve, in order to exclude a temple and grove of trees, and thus secure a better boundary.

Northern Circle.

In Saugor 26 acres were disforested and given to the Malguzar of Mohassa, in exchange for village land taken up for the Indian Midland Railway, *vide* Notification No. 6523, dated the 6th November 1889.

In Damoh 832 acres were disforested and transferred to Nazul property, *vide* Notification No. 414, dated the 24th January 1890.

In Hoshangabad 9,824 acres were disforested from the Charwa tract and made over to the Jagirdar of Chandgarh in exchange for land, of equal extent, known as Rajni-*cum*-Bakapalas and Mathni, in the Chandgarh Reserve, Nimar District.

25. The changes affecting the areas of unclassed State forests will be seen from the table given below :-

| | Southern Circle. | Northern Circle | Total. | |
|---|---|---|---|---|
| | | | Acres. | Square Miles. |
| | Acres. | Acres. | | |
| Area on 1st April 1889 ... | 1,94,418 | 13,343 | 2,07,761 | 325 |
| Added during the year ... | 1,382 | ... | 1,382 | ... |
| Excluded during the year ... | 5,496 | ... | 5,496 | ... |
| Area on 1st April 1890 ... | 1,90,304 | 13,343 | 2,03,647 | 318 |

*Explanation of areas added.*

26. In Raipur two plots, measuring 422 acres (Barsali-chuia) and 960 acres (Putparpaili) respectively were added to the unclassed State forests; both plots having been found to be Government waste land of which no previous account had been taken.

Southern Circle

*Explanation of areas excluded.*

27. In Nagpur 269 acres are due to correction. This area was found already included in the area of reserved forests in that district. And in Chhindwara 5,227 acres are also due to correction of areas previously wrongly classified.

Southern Circle.

Classification of areas.

28. The areas of reserved forests transferred from class B to A will be seen as follows:—

| | Previously reported. | | Added since. | Total. | | Percentage to total area of reserves. |
|---|---|---|---|---|---|---|
| | Acres. | Equivalent in square miles. | Acres. | Acres. | Equivalent in square miles. | |
| Southern Circle ... | 7,10,071 | 1,109 | 22,46,145 | 29,56,216 | 4,619 | 47·85 |
| Northern Circle ... | 18,56,566 | 2,901 | 4,11,803 | 22,68,369 | 3,544 | 35·25 |
| Total .. | 25,66,637 | 4,010 | 26,57,948 | 52,24,585 | 8,163 | 41·42 |

For details of classification see Statement, *vide* Appendix A.

Proposals regarding the classification of areas—in Nagpur 437 square miles,* and in Sambalpur 394 square miles—are now ready for submission for the orders of the Chief Commissioner.

29. The following is a note of the transfers of control charge of areas between Forest Divisions effected during the year:—

| From | To | Area in acres. | Remarks. |
|---|---|---|---|
| Balaghat ... | Mandla ... | 17,280 | Added to the Bunjar valley Reserve. |
| Saugor ... | Narsinghpur ... | 34,466 | For facility of control. |
| Damoh ... | Do. | 5,558 | For facility of control. |

*Since writing the above this transfer has been sanctioned.

30. In connection with the remarks found in paragraph 3 of Resolution No. 6740-362, dated the 16th November 1889, published with the Forest Report for 1888-89, steps have been taken to call for full inquiry and report from Forest Divisional Officers regarding the unclassed forests in their Divisions, and as a result of this inquiry it is now shown that some of the areas of unclassed State forests in Nagpur and Chhindwara underwent a nominal transfer to Reserved areas, from which they had, in previous years, been erroneously excluded.

With reference to the proposal for converting 1,20,306 acres of unclassed forest in the Seoni District into State Reserves, and which fact is mentioned in the Resolution above quoted, it is now reported by the Forest Officer, Seoni, that a further area equal to 34,332 acres was found included and hitherto returned as reserved area, but which is really unclassed State forest. Before, however, accepting the conclusions come to on this point by the Forest Officer, the Officiating Conservator has decided to make no alteration in the Area statement of reserved forests submitted with this Report, until he has satisfied himself that the conclusions of the Forest Officer are correctly based. Pending settlement of this question, the other question of constituting the unclassed State forests in this Division as Reserved Forests, has also been held in abeyance.

*Boundaries.*

Demarcation.

31. It was reported in paragraph 11 of the Report for the year 1888-89 that work was in progress in Chanda, Balaghat, Mandla, Damoh, Betul, Nimar, Bilaspur and Sambalpur. Work in these districts has not yet been quite completed.

The following is a short summary of the work done, with a note of the total cost, during the year under report :—

The boundaries of all class A Reserves—with the exceptions noted in the Boundary statement—and a considerable portion of the boundaries of B class Reserves were efficiently maintained during the year. This will be seen by a reference to the Boundary statement given as Appendix B.

The total length of boundaries demarcated and maintained during the year was as follows :—

| | | | |
|---|---|---|---|
| Boundaries | ... | 14,408 | miles. |
| Boundary marks | ... | 96,417 | number. |

| | | Rs. | a. | p. |
|---|---|---|---|---|
| At a total cost of | ... | 7,990 | 9 | 2 |

Shown for the two circles separately :—

*Southern Circle.*

| | | | |
|---|---|---|---|
| Boundaries | ... | 9,050 | miles. |
| Boundary marks | .. | 51,917 | number |

| | | Rs. | a. | p. |
|---|---|---|---|---|
| Total cost | ... | 4,244 | 1 | 7 |

*Northern Circle.*

| | | | |
|---|---|---|---|
| Boundaries | ... | 5,358 | miles. |
| Boundary marks | ... | 44,500 | number. |
| | | Rs. a. p. | |
| Total cost | ... | 3,746 7 7 | |

*Southern Circle.*

Nagpur.

32. All disputes are settled, and the boundaries of reserved forests were properly maintained; though boundary lines in all cases were not cleared of after-growth during the past dry season.

Wardha.

33. Boundaries and boundary marks were efficiently maintained, though portions of the boundary lines were not cleared in the past dry season.

Bhandara.

34. Boundary lines were cleared and properly maintained. The work of erecting substantial boundary marks is still in progress. Upwards of 5,700 such marks were completed during the year. Less progress was made in the work than was anticipated, and this was due to the inefficiency, caused by sickness, of part of the establishment so employed.

Chanda.

35. This is a very heavy Division, and the demarcation of the forest boundaries in the Sironcha Sub-Division is rather complicated, owing to the imperfect records left by the old settlement. Progress was further delayed by sickness amongst the men employed on the work. The following is a summary of the work done in this Division during the year :—

All boundary lines of reserves lying in the tracts Cis-Wainganga were cleared and maintained. As regards the Trans-Wainganga tracts, forest boundary lines were cleared as follows :—

*Wyraghar Range.*—With the exception of the boundaries of 6 villages and the boundaries of the zamindaris in touch with the Government forests, all boundary lines were cleared and maintained by malguzars to a width of 20 feet.

*Ghôt-Arpelli Range.*—All boundary lines were cleared to a width of 20 feet by malguzars. The boundaries between the zamindari of Ahiri and the Government forests were not cleared, because of an objection put in by the zamindar, followed up by a claim for a large slice of the forests in which certain villages, the alleged property of the zamindar, are situated. This claim will most probably have to be inquired into and settled by the Revenue Settlement Department in co-operation with the Forest Department. No action has yet been taken to arrive at a settlement.

*Ahiri Range.*—All boundaries and boundary marks were properly maintained.

*Sironcha Sub-Division.*—The work, which only commenced in March and continued up to the end of that month, consisted of checking the boundaries, previously laid out by patwaris working under the orders of the Settlement

Department, with the Shajras of the villages bordering the reserves. Owing to the imperfection of the Shajra record, and the absence in many cases of boundary marks, these difficulties, thus thrown in the way, had to be overcome; consequently there was little progress made during the short time the Forest Surveyors were employed on the work before the year closed.

36. The new work completed during the year in demarcation, in the Chanda Division, will be seen by the table given below :—

| Demarcation completed. | Miles. | Number of marks set up. |
|---|---|---|
| Up to 31st March 1889 ... ... | 1,052 | 12,208 |
| During 1889-90 ... ... | 395 | 2,862 |
| Total ... | 1,447 | 15,070 |

It is reported that the marks put up previous to 31st March 1889 already require renewing. This is due to the earthen mounds, and the wooden posts set up in them, being too small to withstand the combined action of the heavy monsoon rainfall and the attacks of white-ants. Orders have now been given for the complete renewal of these marks, on a larger basis and as opportunities offer, by the protective establishment employed in local charge of the Reserves.

The total cost of forest boundary demarcation in Chanda up to 31st March 1890 will be seen as follows :—

| | Rs. | a. | p. |
|---|---|---|---|
| Cost inclusive of preliminary surveys up to 31st March 1889 ... | 16,927 | 11 | 10 |
| Do. do. during the year 1889-90 ... | 1,928 | 5 | 10 |
| Total ... | 18,856 | 1 | 8 |

The cost of demarcation during the year was therefore Rs. 4-14-1 per mile of boundary, as opposed to an average cost of Rs. 16-1-5 for the same class of work done in previous years.

37. The boundaries of class A Reserves were efficiently maintained. The demarcation of the 11 forest blocks, previously selected by Captain Losack, Deputy Conservator, and referred to in paragraph 18 of last Report, was completed with one small exception, and this exception arose because of a dispute in connection with the boundary. The length of line cleared around these blocks is 265 miles. Further progress in the survey and demarcation of the upland forests was much impeded by sickness amongst the men employed on the work. The work completed by the local survey party consisted of the following :—

Balaghat.

120 miles of boundary surveyed,
108 miles of boundary demarcated.

38. The principal work done consisted of widening the already cleared boundary lines to the full width of 30 feet. All boundary lines were maintained clear of growth, and the marks kept up in proper repair.

Chhindwara.

39. The boundaries of all class A Reserves were maintained in efficient order. The boundary lines of class B Reserves were, with few exceptions, cleared and the boundary marks kept up.

Seoni.

40. All boundary lines and boundary marks—the latter with few exceptions—were maintained in good order during the year.

Raipur.

41. With few exceptions, all forest boundary lines were cleared of growth during the year; and 446 new boundary-marks were set up. Several disputes have, however, arisen between the Forest Department and private owners since the boundary lines were cleared; these disputes are now being inquired into and settled.

Bilaspur.

42. Boundary lines were cleared and additional marks set up. In places where the boundaries are still disputed, the work of clearing the boundary lines has had to be abandoned pending settlement of the disputes.

Sambalpur.

*Northern Circle.*

43. The boundaries and boundary marks of class A Reserves were maintained in good order during the year.

Jubbulpore.

44. Boundaries and boundary marks were properly maintained during the year. The boundaries of class B Reserves, though maintained, have not yet been measured.

Saugor.

45. The Forest Officer reports that there were no boundary disputes during the year; but he altogether omits all mention as to what progress demarcation had made during the year. Nor does he note the condition of existing boundary lines.

Damoh.

46. Considerable progress is reported in the work of checking and demarcating the boundaries of class B Reserves, of which 702 miles were completed during the year. This result is again creditable to Mr. Hicks, the officer in charge. The cost of demarcation was Rs. 2-5-0 per mile, as against Rs. 1-3-0, the cost in the year previous. The excess is due to much of the labour employed having to be paid for in cash, while in the previous year the work was done by malguzars, who were given the material cut off the lines in payment for the labour supplied. The external boundary lines of all class A Reserves were cleared and maintained in good order; and the existing boundary lines of class B Reserves were maintained clear to a width of 20 feet by malguzars.

Mandla.

47. Existing boundaries were fully maintained, and the work of putting up boundary marks has been completed.

Hoshangabad.

48. Boundary lines were cleared and boundary marks repaired and maintained in good order. A few additional boundary marks were put up during the year. No other progress is reported.

Betul.

49. The boundaries of class A and B Reserves were fully maintained during the year.

Narsinghpur

50. It has now been pointed out by Mr. Foster, Deputy Conservator of Forests, in charge of the Nimar Division, that the report made of progress in demarcating forest boundaries during the year 1888-89 was incorrect as to the following :—

Nimar.

(1). That no demarcation of B class Reserves had been attempted * or completed during the year 1888-89.

(2). That the southern boundary of the Amba class A Reserve had not been demarcated.

The progress of work in this connection during the year 1889-90, and now reported by Mr. Foster, may be summed up as follows :—

Existing boundaries have been maintained. In addition to these the boundary line between Khandeish and Nimar, on the western border of the latter district, has been cut to a varying width between 30 and 10 feet, and posts and stones erected. The work had to be hurried over owing to the absence of water for drinking purposes. The final width of this boundary line will be 40 feet.

The boundary lines of B class Reserves have not been cut by the Forest Department; but in some instances the lines have been cleared by malguzars in connection with the land settlement now in progress in that district. These lines will be utilized by the Forest Department. The total length of boundaries in connection with the class A Reserves in this Division, and which still remain undemarcated, is shown by the Returns submitted to be 94 miles, 3 furlongs and 5 chains.

*Boundary Registers.*

51. With the exception of Raipur, for which Registers were completed in 1888-89, Boundary Registers are still incomplete for all Forest Divisions, though considerable progress has been reported as having been made in their preparation; that is, in numbering boundary marks, measuring the length of boundary intervening between any two consecutive marks, and compiling from these data the Boundary Registers. This work in all Divisions will not be completed for some time yet, since much initial work still remains to be done; and it is due to this want of completeness in the Register that the Boundary Return, given as Appendix B, is still imperfect as a record.

Advantage has been taken in Jubbulpore, Raipur and Bhandara of the presence of the Forest Surveys to complete, with considerable accuracy of detail, some of the Boundary Registers for those Divisions.

*This was probably due to the determination of areas, that may be opened up to cultivation in the B class Reserves, not having been quite settled in that district.

Minor disputes, not mentioned herein, in connection with the final demarcation of boundaries, have been reported from several Forest Divisions; but as such disputes are undergoing inquiry and settlement and will thus finally be disposed of, it suffices to mention the fact here, without entering into any details regarding them.

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## CHAPTER II.

### Surveys, Working Plans, and Annual Plans of Operations.

*Surveys.*

Forest Survey Branch.

52. During the year under report, four parties of the Forest Survey Branch were deputed for work in these Provinces.

The following is a summary of work completed by this survey during 1888-89. The data for this summary has been kindly furnished by the Superintendent, Forest Surveys:—

Raipur.—Field operations were carried out in the Dhamteri and Sihawa forests:

Triangulation was extended over an area of 439 square miles; 174 square miles were topographically surveyed on the scale of 4 and 16 inches =1 mile; and 279 miles of forest boundaries were surveyed on the 16″ scale. Fifty linear miles of levelling with the theodolite was also done in the Raipur forests.

Chanda.—One hundred and eighty square miles of triangulation was completed in the Ahiri Forests; traversing was extended over 127 square miles; 107 square miles was plane-tabled in detail on the 4″ scale; and 70 miles of forest boundaries were surveyed on the 16″ scale. Instrumental contour lines were laid down throughout the work, as was done in the districts of Jubbulpore and Raipur, at vertical distances of 300 feet.

Jubbulpore.—The area topographically surveyed in full detail was 110 square miles—namely, 100 square miles on the 4″ scale and 10 square miles on the 16″ scale. The latter comprised 150 miles of Forest boundaries and a strip of country a few chains wide on each side of the boundaries. Triangulation was extended over an area of 352 square miles to give additional points in the interior of the forests for plane table work, as well as for the purpose of laying down instrumental contour lines throughout the forest areas.

The work accomplished by this survey during the field season of 1889-90 was as follows:—

Raipur.—The area surveyed was 142 square miles on the 4″ scale, and 3 square miles of boundary surveyed on the 16″ scale. The linear length of boundary surveyed was 26 miles.

Bhandara.—The area surveyed on the 4″ scale was approximately 123 square miles, 272 linear miles of boundary lines were surveyed on the 16″ scale, giving an area of 32 square miles, and 515 square miles (approximately) were triangulated.

Chanda.—The survey of the Ahiri Forests was completed. The area plane-tabled was 22½ square miles.

Jubbulpore.—The out-turn of work accomplished was, approximately, as follows:—

| | | Square miles. |
|---|---|---|
| Area plane-tabled on the 4″ scale | ... | 125 |
| Ditto on the 16″ scale (boundary) | ... | 34 |
| Total | ... | 159 |

| | | Miles |
|---|---|---|
| Linear miles of forest boundary posts numbered and added to field sheets | ... | 116 |
| Linear miles of boundary surveys on the 16″ scale | ... | 275 |

Imperial Survey of India.

53. Colonel Wilmer's party has again been at work on the detailed topographical survey of forest areas in the Hoshangabad and Betul Districts, Northern Circle. The detailed survey of Rajaborari and Kalibhit Reserves was completed during the year; and traverses and triangulation were carried out, the latter as far as the Tawa river. Colonel Wilmer has forwarded a report showing the results of the last field season's operations of No. 14 Survey Party, in which the following details appear:—

| | |
|---|---|
| Area triangulated for 4″ work | 661·0 square miles. |
| Area of detailed survey completed, 4″=1 mile | 404·53 Do. |
| Traversing ... | 505·87 linear miles. |

Classification of forests and soils.

54. This work was in progress at the same time as the Forest surveys; Colonel Wilmer's Party has completed, on separate skeleton traces, for the Forest Department, 404·53 square miles surveyed in detail. No details as to what was accomplished during the last field season has yet been received from the Superintendent, Forest Surveys.

## *Working Plans.*

Northern Circle

55. A commencement was made by the Working Plans Officer, recently sanctioned for these Provinces, in collecting the materials for working plans for some of the more important forests of the Mandla, Jubbulpore, and Hoshangabad Divisions. The Working Plans Officer's progress report will be found in Appendix C.

The Conservator, Northern Circle, has sanctioned a preliminary working scheme, which was drawn up by Mr. G. H. Foster, Deputy Conservator, in charge of the Nimar Division, for working out firewood cut over defined areas in the Mandwa Reserve.

Southern Circle.

Nothing was done during the year in this circle to compile working plans. The material for framing simple working plans for the less important forests is, however, now being collected by Forest Divisional Officers and since the year came to a close.

*Annual Plans of Operations.*

56. These have been adhered to generally. The officers in charge of the Seoni and Hoshangabad Divisions have, however, failed in submitting annual plans of operations for the year 1889-90.

The annual plan of operations drawn up for the year under report by the late Mr. Mahdeo Rao, Sub-Assistant Conservator of Forests, for the Jubbulpore Division, was on the death of that officer (who was murdered while in the discharge of his official duties by some budmashes of Jubbulpore) not carried out by his successor, Mr. J. C. Mendes, Sub-Assistant Conservator, of the Bengal Forest Department, whose services had been lent to the Central Provinces by that Government.

*Enumeration of standing stock.*

Northern Circle.

57. *Mandla.*—The work which had commenced in the North Phan Sal Reserve in March 1889, was completed during the year under report, and the following results obtained :—

| Block number. | Diameter classes of trees. | | | | |
|---|---|---|---|---|---|
| | 24 inches and above. | 22 inches and above. | 20 inches and above. | 18 inches and above. | Total trees. |
| 1 | 407 | 286 | 388 | 1,220 | 2,301 |
| 2 | 779 | 582 | 631 | 2,132 | 4,124 |
| 3 | 1,036 | 539 | 972 | 3,137 | 5,684 |
| Total ... | 2,222 | 1,407 | 1,991 | 6,489 | 12,109 |

The area of this Reserve is 6,435 acres. The average per acre of each diameter class is therefore :—

| | | | | |
|---|---|---|---|---|
| 24 | inches and above | | ... | ·345 |
| 22 | ,, | ,, | ... | ·219 |
| 20 | ,, | ,, | ... | ·309 |
| 18 | ,, | ,, | ... | 1·008 |

The cost of this enumeration was Rs. 43-9-6, or Rs. 2-11-0 per thousand trees, as against Rs. 2-3-0 per thousand under the old system of belting or girth measurement. It is explained that the higher cost is due to the enumerators not being accustomed to the use of the diameter gauge.

Southern Circle.

58. In Raipur the work of recording, classification and description of the Sal-bearing areas in Sihawa, reported in paragraph 41 of last year's Report, was completed during the past year. The measurements for determining the average annual growth of Sal trees were continued during the year under report.

# CHAPTER III.

## PROTECTION AND IMPROVEMENT.

### *Establishments.*

59. During the year the controlling and superior executive staff (inclusive of Sub-Assistant Conservators) was increased by—

1 Conservator. } Sanctioned by the Secretary of State
1 Working Plans Officer. } for India.
1 Deputy Conservator transferred from Assam.
3 Junior Assistant Conservators trained at Cooper's Hill.
1 Sub-Assistant Conservator transferred from Bengal.
1 Probationary Sub-Assistant Conservator appointed during the year.

The table given below shows the strength of this staff as it stood on the 1st April 1889, and again on the 31st March 1890 :—

| Officers. | On 1st April 1889. | On 31st March 1890. |
|---|---|---|
| Conservators ... | 1 | 2 |
| Deputy Conservators ... | 8 | 9 |
| Assistant Conservators ... | 6 | 9 |
| Sub-Assistant Conservators ... | 9 | 7 |

The second Conservator joined on the 28th October 1889, from which date the administration of the forests of these Provinces was apportioned between the two Conservators. The two charges are now known respectively as the Northern and Southern Circles.

Charges held by Conservators.

60. Colonel J. C. Doveton held charge of the Forest administration of the Central Provinces from the commencement of the year to the 1st September, when he handed over charge to his successor and proceeded on leave subsidiary to furlough.

Mr. R. H. E. Thompson, Officiating Conservator, held charge of the united circles from 2nd September to 27th October. From the 28th October Mr. Thompson has held charge of the Southern Circle only.

Mr. Dickinson, Officiating Conservator, assumed charge of the Northern Circle from the 28th October, and relinquished it on the 6th December following.

Colonel G. J. VanSomeren assumed charge of the Northern Circle from the 7th December 1889, and which he has since continuously held.

Officers absent.

61. The following Officers were on leave during the year :—

Colonel J. C. Doveton, Conservator, on furlough for 1 year and 13 days, from the 10th September.

Captain C. W. Losack, Deputy Conservator, was absent on furlough throughout the year.

Mr. F. S. Barker, Deputy Conservator, 3 months' special leave from the 27th July 1889.

Mr. H. Moore, Deputy Conservator, 3 months' privilege leave from the 12th August 1889.

Mr. A. F. Gradon, Assistant Conservator, 3 months' privilege leave from the 4th August 1889.

Mr. F. C. Hicks, Assistant Conservator, 2 months' privilege leave from the 16th March 1890.

Mr. M. Muttannah, Officiating Assistant Conservator, 7 weeks' privilege leave from the 9th September 1889.

Mr. Chunder Kumar Chhatterjee, Sub-Assistant Conservator, 6 months' leave on medical certificate, subsequently extended to a further 6 months from the 3rd September 1889.

Mr. J. C. Mendes, Sub-Assistant Conservator, 15 days' privilege leave from the 7th November 1889.

Mr. C. B. Anthony, Probationary Sub-Assistant Conservator, 2 months' leave without pay from the 5th May 1889.

Officers transferred.

62. Mr. J. C. McKee Deputy Conservator, was transferred to Coorg in place of Mr. Dickinson, with effect from the 28th September 1889.

Mr. J. C. Mendes, Sub-Assistant Conservator, was remanded to Bengal, with effect from the 4th March 1890.

Officers promoted (substantively).

63. Mr. A. W. Blunt from Assistant Conservator, 3rd grade, to Assistant Conservator, 2nd grade, with effect from the 1st December 1889.

Mr. M. Muttannah was confirmed by the Secretary of State as Assistant Conservator, 3rd grade, with effect from the 1st January 1890.

Officers resigned.

64. Mr. C. B. Anthony, Probationary Sub-Assistant Conservator, with effect from 14th May 1889.

Officers struck off.

65. Mr. Mahadeo Rao, Sub-Assistant Conservator, was murdered on the 10th April 1889.

Exchange of officers.

66. The Bombay Government recalled Mr. S. Hornidge, Deputy Conservator, and deputed Mr A. Stewart, Deputy Conservator, to take the former's place, with effect from the 11th October 1889.

67. The following officers held charge of Divisions during the year :—

| Division. | Officers. | From | To |
|---|---|---|---|
| Nagpur and Wardha... | Mr. S. Hornidge, Officiating Deputy Conservator... | 1st April 1889. | 11th October 1889 |
| | „ A Stewart, Deputy Conservator ... | 12th October 1889. | 10th November 1889. |
| | „ A. Watson, Assistant Conservator ... | 11th November 1889 | End of year. |
| Bhandara ... | „ A. F. Gradon, Assistant Conservator ... | 1st April 1889. | 3rd August 1889. |
| | „ A. W. Blunt, Assistant Conservator ... | 3rd August 1889. | 11th November 1889. |
| | „ A. F. Gradon, Assistant Conservator ... | 12th November 1889. | End of year. |
| Chanda ... | „ G. H. Foster, Deputy Conservator ... | 1st April 1889. | 10th July 1889. |
| | „ A. E. Lowrie, Assistant Conservator ... | 17th July 1889. | End of year. |
| Balaghat ... | „ Mahomed Ghouse, Sub-Assistant Conservator ... | 1st April 1889. | End of year. |

| Division | Officers | From | To. |
|---|---|---|---|
| Seoni ... | Dr. E. Dobbs, Deputy Conservator ... | 1st April 1889. | End of year. |
| Chhindwara ... | Mr. H. Moore, Deputy Conservator ... | 1st Do. | 11th August 1889. |
| | Dr E Dobbs, Deputy Conservator . | 12th August 1889, | 11th November 1889. |
| | Mr. H. Moore, Deputy Conservator ... | 12th November 1889 | End of year. |
| Raipur ... | Mr. R H. E Thompson, Deputy Conservator ... | 1st April 1889. | 25th August 1889. |
| | „ H B Anthony, Assistant Conservator — | 26th August 1889 | End of year |
| Bilaspur ... | „ H. B. Anthony, Assistant Conservator . | 1st April 1889. | 17th November 1889. |
| | „ A W. Blunt, Assistant Conservator . | 18th November 1889 | End of year. |
| Sambalpur ... | „ Chunder Kumar Chhatterji, Sub-Assistant Conservator .. | 1st April 1889, | 9th May 1889. |
| | „ F. S. Barker, Deputy Conservator | 10th May 1889. | 26th July 1889. |
| | „ J. J. Hobday, Sub-Assistant Conservator ... | 27th July 1889. | End of year. |
| Jabbulpore ... | Mr. Mahadeo Rao Pulnaitkar, Sub-Assistant Conservator . | 1st April 1889. | 10th April 1889 |
| | The Deputy Commissioner .. | 11th April 1889. | 16th April 1889. |
| | Mr J. C Mendes, Sub-Assistant Conservator . | 17th April 1889. | 7th November 1889. |
| | The Deputy Commissioner . | 8th November 1889 | 12th November 1889. |
| | Mr. A. Stewart, Deputy Conservator | 13th November 1889. | End of year. |
| Saugor ... | Colonel H C. T Jarrett, v. c., Deputy Conservator.. | 1st April 1889 | End of year. |
| Damoh — | The Deputy Commissioner ... | 1st April 1889. | 12th June 1889. |
| | Mr Chunder, Kumar Chhatterji, Sub-Assistant Conservator ... | 13th June 1889 | 2nd September 1889. |
| | The Deputy Commissioner ... | 3rd September 1889 | End of year. |
| Mandla ... | Mr. J. McKee, Deputy Conservator ... | 1st April 1889. | 27th September 1889. |
| | „ F. C. Hicks, Assistant Conservator ... | 28th September 1889 | 1st November 1889. |
| | „ F. S. Barker, Deputy Conservator ... | 2nd November 1889 | End of year |
| Betul ... | „ W. King, Deputy Conservator . .. | 1st April 1889. | End of year. |
| Hoshangabad ... | „ W. P. Thomas, Deputy Conservator ... | 1st April 1889. | End of year. |
| Nimar ... | „ A E Lowrie, Assistant Conservator . | 1st April 1889. | 15th July 1889. |
| | The Deputy Commissioner .. | 16th July 1889. | 23rd July 1889. |
| | „ G H. Foster, Deputy Conservator ... | 24th July 1889. | End of year. |
| Narsinghpur ... | „ W. P Thomas, Deputy Conservator .. | 1st April 1889. | 10th July 1889 |
| | „ M Muttannah, Assistant Conservator ... | 11th July 1889. | 8th September 1889. |
| | The Deputy Commissioner ... | 9th September 1889 | 30th October 1889. |
| | Mr M. Muttannah, Assistant Conservator ... | 31st October 1889 | End of year. |

68. The following officers rejoined after having successfully completed the prescribed course of instruction at the Dehra Dun Imperial Forest School:—

Mr S. G. Paranjpe, B. A., Probationary Sub-Assistant Conservator, gained the Ranger's Certificate with Honours, and was appointed Sub-Assistant Conservator, 3rd grade, with effect from 28th April 1890. Faiz Baksh, Probationer, gained the Ranger's Certificate, and was appointed Forest Ranger, 6th grade, with effect from the 1st April 1890.

69. The following students were deputed to the Imperial Forest School, Dehra Dun :—

For Ranger's course.

Mr. N. C. McLeod, Probationary Sub-Assistant Conservator.
Mr. W. Gilmore, Forest Ranger.
Mr. A. Howell, Probationer.
Mr. R. L. Shawe, Probationer.

Mr. J. P. Haslett, a first year private student, was at the recommendation of the School authorities appointed a Forest Ranger, and has been permitted to remain at that Institution till completion of his second year.

For Forester's course.

Foresters Dhondo Narain, Bya Lall, Nainar Chunder Dutt and Rampershad Tewari.

70. The following statement shows the details of the sanctioned strength of the permanent Executive and Protective Establishments, as they respectively stood at the commencement and close of the year 1889-90 :—

| Designation. | Scale as sanctioned by the Government of India. | | Actual apportioned strength as it stood on the 31st March 1889. | | Actual apportioned strength as it stood on the 31st March 1890. | | Remarks. |
|---|---|---|---|---|---|---|---|
| | No. | Monthly cost. | No. | Monthly cost. | No. | Monthly cost. | |
| | | Rs. | | Rs. | | Rs. | |
| Sub-Assistant Conservators.. | 8 | 1,500 | 8 | 1,500 | 7 | 1,350 | |
| Forest Rangers ... | 44 | 3,190 | 29 | 2,095 | 28 | 2,005 | |
| Foresters ... | 177 | 4,955 | 153 | 3,730 | 176 | 4,915 | |
| Forest Guards ... | 1,299 | 9,805 | 1,299 | 9,805 | 1,299 | 9,805 | |
| Hospital Assistant ... | 1 | 30 | 1 | 30 | 1 | 30 | |
| Total ... | 1,529 | 19,480 | 1,490 | 17,160 | 1,511 | 18,105 | |

It will be seen from the above that there were the following posts vacant at the close of the year under review, and which will be gradually worked up to, and not fully till 1891-92 :—

1 Sub-Assistant Conservator.
16 Forest Rangers.
1 Forester.

*General protection and breaches of Forest Law.*

Offences by members of the Subordinate Forest Establishment.

71. The number of such offences returned for the year 1889-90 was greater than the number returned for the year previous. This result is due partly to a number of new hands having been taken on in consequence of reorganiza

tion of the Executive and Protective staff, and partly to the more rigorous exaction of duties from all grades under the new organization scheme.

The actual effective strength of the permanent subordinate staff as it stood on the 31st March 1890 will be seen as follows:—

| | | |
|---|---|---|
| Forest Rangers | ... | 28 |
| Foresters | ... | 176 |
| Forest guards | ... | 1,299 |
| Clerks | ... | 104 |
| Orderlies | ... | 45 |

The number of persons punished during the year, compared with the year previous, was as follows:—

| | | | 1888-89. Number. | 1889-90. Number. |
|---|---|---|---|---|
| Prosecuted | ... | ... | 6 | 8 |
| Dismissed | ... | ... | 47 | 57 |
| Degraded | ... | .. | 17 | 26 |
| Suspended | ... | ... | 14 | 19 |
| Fined | ... | ... | 241 | 326 |

The percentages to total actual strength for the two years are given below:—

| | | | |
|---|---|---|---|
| Punished in | 1888-89 | ... | 21·41 |
| Do. in | 1889-90 | ... | 26·39 |

72. The following is a summary of the punishments awarded during the year to members of the permanent subordinate staff:—

| | | Rangers. | Foresters. | Forest Guards. | Clerks. |
|---|---|---|---|---|---|
| Prosecuted | ... | ... | 1 | 7 | ,, |
| Dismissed | ... | ... | 6 | 51 | ,, |
| Degraded | ... | ... | 1 | 25 | ,, |
| Suspended | ... | 1 | 2 | 16 | ,, |
| Fined | ... | 5 | 88 | 228 | 5 |
| Totals | ... | 6 | 98 | 327 | 5 |

Rangers.

In the Bilaspur Division one acting Ranger was suspended for suspected embezzlement. On further inquiry the charge was proved to be one of negligence on the part of the Ranger rather than attempted or accomplished fraud. The Ranger was restored to duty.

In the Chanda Division one Ranger was fined for insubordination, and in the Mandla Division four Forest Rangers were fined for delays in submitting their monthly accounts.

Foresters.

One Forester of the Mandla Division was prosecuted on a charge of criminal breach of trust, and was convicted of the offence. Four had their names struck off the List of Forest Establishment for continued absence from duty without leave. Two were

suspended pending inquiry into alleged offences with which they were charged: while 88 were fined for general negligence and for being habitually late with the submission of their accounts and other monthly returns.

Forest guards. Seven were prosecuted.

In the Damoh Division, one for misappropriating wood cut from a Government forest, and who, on conviction, was sentenced to 6 months' rigorous imprisonment.

In the Hoshangabad Division a forest guard was discovered levying unauthorized dues and pocketing the proceeds, and who, on conviction, was sentenced to 3 months' rigorous imprisonment.

In the Nimar Division two were prosecuted for harbouring the Dacoit Tantia Bhil; one for setting fire to the Jumbupanee forest reserve; and two for embezzlement of public money, of whom one was acquitted for want of evidence, while the other was sentenced to 3 months' rigorous imprisonment.

Fifty-one forest guards were dismissed for unauthorized absence from duty and for deserting their beats. Twenty-five were degraded for the same reasons and for habitual negligence in the performance of duties.

Sixteen were suspended pending inquiry into reported misconduct: and two hundred and twenty-eight were fined for various reasons.

Clerks. Five were fined for breaches of Rule.

Breaches of Forest Law, Form No. 50.

73. The number of cases reported during the year is greater by 1,343 than for the year previous. This increase is largely, if not solely, due to the better protective and detective agencies now employed in the protection of the forests.

The following shows a comparison with analysis of cases reported during the past two years:—

| | | | Number. | |
|---|---|---|---|---|
| 1. | Injury to forest by fire .. | 1889-90 ... | 91 | + 50 |
| | | 1888-89 ... | 41 | |
| 2. | Unauthorized felling and removal of forest produce ... | 1889-90 ... | 3,845 | — 937 |
| | | 1888-89 ... | 4,782 | |
| 3. | Grazing without permission... | 1889-90 ... | 3,381 | +1,013 |
| | | 1888-89 ... | 2,368 | |
| 4. | Other offences ... | 1889-90 ... | 1,520 | +1,217 |
| | | 1888-89 ... | 303 | |

The same for the two Circles separately:—

*Southern Circle.*

| | | | Number. | |
|---|---|---|---|---|
| 1. | Injury to forests by fire ... | 1889-90 ... | 47 | + 23 |
| | | 1888-89 ... | 24 | |
| 2. | Unauthorized felling and removal of forest produce ... | 1889-90 ... | 2,361 | — 934 |
| | | 1888-89 ... | 3,295 | |
| 3. | Grazing without permission ... | 1889-90 ... | 2,122 | + 756 |
| | | 1888-89 ... | 1,366 | |
| 4. | Other offences ... | 1889-90 ... | 1,427 | +1,164 |
| | | 1888-89 ... | 263 | |

*Northern Circle.*

| | | | Number. | |
|---|---|---|---|---|
| 1. Injury to forests by fire | 1889-90 | ... | 44 | + 27 |
| | 1888-89 | ... | 17 | |
| 2. Unauthorized felling and removal of forest produce | 1889-90 | ... | 1,484 | — 3 |
| | 1888-89 | ... | 1,487 | |
| 3. Grazing without permission | 1889-90 | ... | 1,259 | + 257 |
| | 1888-89 | ... | 1,002 | |
| 4. Other offences | 1889-90 | ... | 93 | + 53 |
| | 1888-89 | ... | 40 | |

It will be seen from the above that the number of forest offences reported, under all classes, with one exception, was in excess of the previous year. The exception is in the unauthorized felling or appropriating of wood and minor forest produce, the number of cases connected with which, from 4,782 in 1888-89 fell to 3,845 during 1889-90; and this may be attributed to the preventive action of the local forest establishments in the Southern Circle, where the smaller number of cases had occurred. On the other hand, more cases were reported as coming under injury to forests from fire, unauthorized grazing, and other offences, than were reported in the previous year. The figures in excess being again largely so for the Southern as compared with those for the Northern Circle. As a question of fact, the offences of the nature above specified are more difficult to prevent over large areas of forests, because of the greater facilities the offenders have of escaping detection, than concern cases of unauthorized felling and appropriation of forest produce, and which latter to be of any use to the offenders must be removed from the forests; and hence the chances of the offenders being detected while in the act of removing the produce from the forests must be considerably greater, and this fact may doubtless have had the deterrent effect ascribed to it.

74. Compared with the figures for the previous year, the total number of reported cases have risen from 7,494 to 8,837. The figures given in the case of the two Circles separately, and these again compared with those of the previous year, are seen as follows :—

| | | | Number. | |
|---|---|---|---|---|
| Southern Circle | 1889-90 | ... | 5,957 | + 1,009 |
| | 1888-89 | ... | 4,948 | |
| Northern Circle | 1889-90 | ... | 2,880 | + 334 |
| | 1888-89 | ... | 2,546 | |

75. The number of cases reported, but in which the offenders were not detected, was :—

| | | | Number. | |
|---|---|---|---|---|
| Southern Circle | 1889-90 | .. | 8 | — 14 |
| | 1888-89 | ... | 22 | |
| Northern Circle | 1889-90 | ... | 3 | + 3 |
| | 1888-89 | ... | 0 | |

The total number remaining undetected in both Circles was therefore 11, as compared with 22 in the previous year.

76. The number of cases pending disposal at the close of 1888-89 in the two Circles was 925, as against 552 at the close of 1889-90. This is shown

below separately for the two Circles :—

| | | Number. | |
|---|---|---|---|
| Southern Circle ... | 1889-90 ... | 309 | — 491 |
| | 1888-89 ... | 800 | |
| Northern Circle ... | 1889-90 ... | 243 | + 118 |
| | 1888-89 ... | 125 | |

77. The total number of cases, exclusive of the number not detected, disposed of during the year will be seen as follows :—

| | | Number. | |
|---|---|---|---|
| 1. Cases taken into Court and in which convictions were obtained | 1889-90 ... | 218 | + 67 |
| | 1888-89 ... | 151 | |
| 2. Cases compounded ... | 1889-90 ... | 8,261 | + 958 |
| | 1888-89 ... | 7,303 | |
| 3. Acquitted ... | 1889-90 ... | 437 | + 47 |
| | 1888-89 ... | 390 | |

The above is shown for each circle separately in the statement below :—

| | | | Number. | |
|---|---|---|---|---|
| 1. Cases taken into Court and in which convictions were obtained ... | Southern Circle | 1889-90... | 101 | + 10 |
| | | 1888-89... | 91 | |
| | Northern Circle | 1889-90... | 117 | + 56 |
| | | 1888-89... | 61 | |
| 2. Cases compounded ... | Southern Circle. | 1889-90... | 5,586 | + 593 |
| | | 1888-89... | 4,993 | |
| | Northern Circle. | 1889-90... | 2,675 | + 365 |
| | | 1888-89... | 2,310 | |
| 3. Acquittals ... | Southern Circle. | 1889-90... | 276 | — 57 |
| | | 1888-89... | 333 | |
| | Northern Circle | 1889-90 .. | 161 | + 104 |
| | | 1888-89... | 57 | |

78. Of cases criminally prosecuted during the year the following summary shows with what result :—

| | | |
|---|---|---|
| Taken into Court ... ... | | 310 |
| Convicted ... ... | 218 | |
| Acquitted ... .. | 71 | |
| Pending at close of year ... | 21 | |
| Total ... | 310 | |

The same given separately for each Circle :—

*Southern Circle.*

| | | |
|---|---|---|
| Taken into Court ... ... | | 152 |
| Convicted ... ... | 101 | |
| Acquitted ... ... | 32 | |
| Pending at close of year ... | 19 | |
| Total ... | 152 | |

Percentage of convictions to total cases taken into Court, 76·0.

*Northern Circle.*

| | | |
|---|---|---|
| Taken into Court ... ... | | 158 |
| Convicted ... ... | 117 | |
| Acquitted ... ... | 39 | |
| Pending at close of year ... | 2 | |
| Total ... | 158 | |

Percentage of convictions to total cases taken into Court, 75·0.

The percentage of total convictions obtained, taking the two Circles together during the year, and the same compared with the results of the year previous, was as follows :—

| | | Cases. | | Persons. |
|---|---|---|---|---|
| 1889-90 | ... | 75·4 | ... | 73·5 |
| 1888-89 | ... | 75·6 | ... | 68·5 |

There is a remarkable correspondence, for which no explanation is offered, in the results of the two years as compared above; as also between the similar results when compared together for the two Circles.

Although the percentage of convictions obtained has fallen below that of former years, yet the present results may be viewed as satisfactory.

No explanation is offered by Forest Divisional Officers as to why percentages of convictions have fallen from the higher ratios obtained in previous years. The Forest Officer, Bhandara, however, reports that, owing to light and inadequate sentences of fine being imposed by Magistrates on offenders, great encouragement has been given to accused persons to elect for trial in Magistrates' Courts, rather than enter into composition under Section 67 of the Forest Act, VII of 1878. In consequence of this the number of cases tried in the Bhandara Courts has risen from 11 in 1888-89 to 31 in 1889-90. That the cases which were take into Court in the latter year were good cases, will be seen by the fact that the Bhandara Forest Officer obtained conviction in these cases in 29 out of 30, or 93 per cent, which is a high figure of success.

Nor was the amount of compensation claimed as damages excessive or unusual, as the demands in composition cases rarely exceed twice the ordinary rates in force in the district.

79. The districts which did not attain the average percentage of the year 1889-90 of convictions in cases taken into Court are the following :—

| | | Per cent. |
|---|---|---|
| Hoshangabad, | which obtained | 75 |
| Nimar | do. | 74 |
| Nagpur | do. | 71 |
| Raipur | do. | 67 |
| Saugor | do. | 64 |
| Mandla | do. | 54 |
| Wardha | do. | 50 |
| Balaghat | do. | 50 |
| Chanda | do. | 47 |

while Bilaspur, which had only 3 cases tried during the year, had all 3 acquitted.

The districts which obtained percentages in convictions higher than the average for the Provinces for the year 1889-90, are the following :—

| | | Per cent. |
|---|---|---|
| Sambalpur, | obtained | 100 |
| Damoh | do. | 100 |
| Bhandara | do. | 93 |
| Narsinghpur | do. | 90 |
| Chhindwara | do. | 87 |
| Betul | do. | 86 |
| Seoni | do. | 80 |
| Jubbulpore | do. | 79 |

80. Under Notification No. 3556 of the 12th June 1890, the Chief Commissioner has been pleased to make special Rules applicable to officers exercising the powers conferred by Section 67 of Act VII of 1878 as amended by Act V of 1890, and which Rules relate to the recording in a Register the details of offences disposed of by them. A copy of the above-quoted Notification, with copy of the Rules, will be found as Appendix D to this Report.

*Forest fires.*

81. The season just past has been one of unusually dry character, and therefore very unfavourable to successful protection. Nevertheless it is satisfactory to record that the information received from Forest Divisional Officers appears to show that over 54 per cent of the unprotected forests areas had escaped fire. This result is obviously due to the regulations which were issued with Chief Commissioner's General Circular No. 2 of January 1888 in regard to the responsibilities that rest with Malguzars and the general public in the matter of reckless firing of the forest undergrowth in the dry season.

82. It will be seen from the figures given in the statement below that a very large and important portion of the forest reserves had escaped from being traversed by fire. In the Hoshangabad and Nagpur Divisions, thanks to the watchful care and attention of Messrs. Thomas and Watson, the Forest Divisional Officers, in working the above regulations, nearly 98 per cent of their forests were preserved from fire. The regulations of January 1888 have now been further supplemented by Rules framed under amended Section 25 (*b*) of the Forest Act of 1878, and these will go far towards further strengthening the hands of Forest Officers in dealing with the question of general protection against fire :—

| Division. | Total area of Government forests. | Deduct area under special fire protection. | Balance. | Area burnt over. | Area which escaped being burnt over. | Percentage of area which escaped. |
|---|---|---|---|---|---|---|
| | Acres. | Acres. | Acres. | Acres. | Acres. | |
| *Southern Circle.* | | | | | | |
| Nagpur ... | 334,943 | 84,860 | 250,083 | 6,792 | 243,291 | 97·68 |
| Bhandara ... | 352,838 | 86,136 | 266,702 | 87,123 | 179,579 | 67·33 |
| Chanda . | 2,216,520 | 237,481 | 1,979,039 | 1,429,114 | 549,925 | 27·79 |
| Wardha ... | 128,034 | 32,672 | 95,362 | 16,351 | 79,011 | 82·85 |
| Balaghat ... | 711,937 | 160,436 | 551,501 | 429,055 | 122,446 | 22·20 |
| Seoni ... | 618,043 | 96,100 | 521,943 | 300 671 | 221,272 | 42·39 |
| Chhindwara ... | 452,386 | 26,240 | 426,146 | 63,611 | 362,535 | 85·07 |
| Raipur ... | 886,210 | 58,240 | 827,970 | 406,790 | 421,180 | 50·87 |
| Sambalpur ... | 252,141 | ... | 252,141 | 112,004 | 140,137 | 44·42 |
| Bilaspur .. | 414,891 | 108,202 | 306,689 | 276,032 | 30,657 | 10·00 |
| Total .. | 6,367,943 | 890,367 | 5,477,576 | 3,127,543 | 2,350,033 | 40·67 |
| *Northern Circle.* | | | | | | |
| Jubbulpore ... | 243,842 | 55,673 | 188 169 | 29,290 | 158,879 | 84·54 |
| Saugor ... | 482,091 | 46,465 | 435,626 | 64,892 | 370,734 | 85·40 |
| Damoh ... | 536,399 | ... | 536,399 | 99,935 | 436 464 | 81·37 |
| Mandla ... | 1,920,865 | 183,661 | 1,737,204 | 942,367 | 794,837 | 54·25 |
| Betul ... | 728,993 | 56,640 | 672,353 | 2,50,378 | 421,975 | 62·76 |
| Hoshangabad ... | 1,213,006 | 308,800 | 904,206 | 19,152 | 885,054 | 97·88 |
| Nimar ... | 1,156,182 | 285,974 | 870,208 | 405,831 | 464,377 | 53·36 |
| Narsinghpur ... | 167,645 | 20,480 | 147,165 | 45,886 | 101,279 | 68·82 |
| Total ... | 6,449,023 | 957,693 | 5,491,330 | 1,857,731 | 3,633,599 | 66·17 |
| GRAND TOTAL ... | 12,816,966 | 1,848,060 | 10,968,906 | 4,985,274 | 5,983,632 | 54·55 |

83. The area under measures specially designed for its protection from fire, was increased during the year, and will be seen as follows :—

Special protection.

| | | Acres. |
|---|---|---|
| Area under protection during 1888-89 | .. | 1,601,695 |
| Area under protection during 1889-90 | .. | 1,848,060 |
| Difference acres added ... | | 246,365 |

Of the area attempted during 1889-90 the failures amounted to 112,136 acres or 6 per cent of the area attempted, as against 4 per cent of the area attempted during 1888-89. The cost of successful protection during the two years was :—

| | | Cost per acre. Pies. | Cost per square mile. Rs. | a. | p. |
|---|---|---|---|---|---|
| 1888-89 | ... | 3·912 | 13 | 0 | 7 |
| 1889-90 | .. | 4·036 | 13 | 7 | 3 |

The total cost of fire protection during the year 1889-90 was Rs. 36,489-2-7 as against Rs. 31,261-6-2 in the previous year.

The additional area brought under organized protection during 1889-90 was 15⅓ per cent greater than the area under protection during the year previous. In the Southern Circle the area thus added during the year was 20 per cent, while in the Northern Circle it was 11½ per cent, more than the area already under organized protection.

84. The area of class A Reserves in the two circles is now 8,163 square miles. Of which 2,887 square miles, or 35 per cent, have been brought under permanent fire conservancy, thus :—

In the Southern Circle, the area of class A Reserves is 4,619 square miles, of which 1,391 square miles are under fire protection, or 30 per cent of the total A class Reserves.

In the Northern Circle, the figures are: Area of A class Reserves 3,544 square miles: under protection 1,496 square miles: percentage 42.

85. The failures during the year 1889-90, which amounted to 112,136 acres, are debitable to the two circles in the following proportions :—

| | | Per cent. |
|---|---|---|
| Southern Circle | ... | 8·54 |
| Northern Circle | ... | 3·77 |

The average cost of fire protection in the two circles is compared below :—

| | | Rs. | a. | p. |
|---|---|---|---|---|
| Southern Circle ... | Average cost per square mile attempted ... | 14 | 0 | 11 |
| | Average cost per square mile successfully protected ... | 15 | 5 | 11 |
| Northern Circle ... | Average cost per square mile attempted... | 11 | 5 | 1 |
| | Average cost per square mile successfully protected ... | 11 | 12 | 2 |

The average cost of organized protection continues to be high in Wardha, where it is Rs. 18-4-1; Chanda, where it is Rs. 29-3-9; Betul, where it is Rs. 17-3-2; and Nimar, where it is Rs. 14-1-3 per square mile.

In Wardha the cost of protection is enhanced by (1) higher wages demanded for labour, and (2) by the forest areas under protection having long and difficult external fire traces.

The higher cost in Chanda is explained by the more thorough system in vogue, under which protection has been carried on very successfully for the past 17 years in the Ahiri and certain blocks of the Moharli Reserves. The cost is necessarily enhanced under a system which practically renders it impossible for fire to invade the forests; and, as a further proof of success, the results obtained in that Division by fire protection are fully and amply commensurate with the larger expenditure incurred. Perhaps no forests—except one Bori, in Hoshangabad, a forest successfully protected from fire for 30 years—in the Central Provinces can show such good results as have been achieved in the Ahiri and the Taroba and Goverdhun blocks of the Moharli Reserve, since their protection was taken in hand 17 years ago.

In Betul the expenditure is heavy because of special measures having to be undertaken to guard against the spread of fires—usually said to be lighted by Gaolies and other Nomadic tribes—,while the forests of Nimar are by far the most difficult to protect; first because of the extreme dryness of this district; and second, because on very nearly three sides Nimar has foreign territory abutting on its forests, which renders successful protection an extremely difficult matter. The price of labour is also high in Nimar.

86. The statement given overleaf shows the results of organized fire protection by Divisions.

The figure of success, as measured here by the extent of failure, will be seen ranging in Divisions like Jubbulpore and Mandla—where complete success was obtained—to 47·80 per cent of failures recorded against the Raipur Division. This Division and also that of Bilaspur have been singularly unfortunate in not obtaining successful protection of the areas attempted by them.

The percentage of failures recorded against Bilaspur is 39·98. But for these lamentable failures in Raipur, Bilaspur and Nimar, the year's success in fire-protection would have shown up better than it did in the year previous.

| Division. | Areas under organized protection. | | | Results of protection obtained during dry season, 1889-90. | | Percentage of failures to areas attempted. | Cost during the season. | Average cost for areas attempted. | | Average cost for areas successfully protected. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | During 1888-89. | Added during 1889-90 | Total. | Successfully protected. | Failed. | | | Per acre. | Per square mile. | Per acre. | Per square mile. |
| | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Rs. a. p. | Pies. | Rs. a. p. | Pies. | Rs. a. p |
| *Southern Circle.* | | | | | | | | | | | |
| Nagpur .. | 84,860 | .. | 84,860 | 84,697 | 163 | 0·19 | 1,508 13 0 | 3·414 | 11 6 2 | 3·420 | 11 6 4 |
| Bhandara ... | 86,136 | .. | 86,136 | 84,824 | 1,312 | 1·52 | 503 12 5 | 1·123 | 3 11 11 | 1·140 | 3 12 9 |
| Wardha ... | 32,672 | ... | 32,672 | 32,662 | 10 | 0·03 | 931 15 4 | 5·477 | 18 4 1 | 5·472 | 18 3 10 |
| Balaghat ... | 117,057 | 43,379 | 160,436 | 159,706 | 730 | 0·46 | 2,226 11 9 | 2·665 | 8 14 2 | 2·677 | 8 14 9 |
| Chanda .. | 192,181 | 45,300 | 237,481 | 236,644 | 837 | 0·35 | 10,848 13 2 | 8·771 | 29 3 9 | 8·802 | 29 5 5 |
| Seoni . | 96,100 | ... | 96,100 | 95,657 | 443 | 0·46 | 1,220 13 2 | 2·439 | 8 2 1 | 2·450 | 8 2 8 |
| Chhindwara .. | 8,240 | 18,000 | 26,240 | 24,840 | 1,400 | 5·34 | 292 9 1 | 2 141 | 7 2 2 | 2·261 | 7 8 7 |
| Raipur ... | 20,480 | 37,760 | 58,240 | 30,400 | 27,840 | 47·80 | 932 0 0 | 3·073 | 10 3 11 | 5·886 | 19 9 11 |
| Bilaspur .. | 1,05,015 | 3,187 | 1,08,202 | 64,941 | 43,261 | 39·98 | 1,090 10 9 | 1·935 | 6 7 2 | 3·225 | 10 12 0 |
| Total .. | 7,42,741 | 147,626 | 890,367 | 814,371 | 75,996 | 8·54 | 19,556 2 8 | 4·217 | 14 0 11 | 4·611 | 15 5 11 |
| *Northern Circle.* | | | | | | | | | | | |
| Jubbulpore ... | 55,673 | ... | 55,673 | 55,671 | 2 | .. | 1,033 4 5 | 3·563 | 11 14 0 | 3·564 | 11 4 1 |
| Saugor .. | 46,465 | ... | 46,465 | 46,143 | 322 | 0·69 | 435 10 11 | 1·800 | 6 0 0 | 1·813 | 6 0 8 |
| Mandla ... | 1,77,226 | 6,435 | 183,661 | 181,606 | 2,055 | 1·11 | 3,044 2 4 | 3·182 | 10 9 8 | 3·218 | 10 11 7 |
| Betul ... | 56,640 | ... | 56,640 | 56,640 | .. | ... | 1,522 5 4 | 5·160 | 17 3 2 | 5·160 | 17 3 2 |
| Hoshangabad ... | 303,680 | 5,120 | 308,800 | 308,710 | 90 | 0·03 | 4,436 4 7 | 2·758 | 9 3 1 | 2·759 | 9 3 1 |
| Nimar . | 200,070 | 85,904 | 285,974 | 252,303 | 33,671 | 11·77 | 6,292 0 0 | 4·224 | 14 1 5 | 4·788 | 15 15 4 |
| Narsinghpur .. | 19,200 | 1,280 | 20,480 | 20,480 | .. | . | 169 4 4 | 1·587 | 5 4 7 | 1·587 | 5 4 7 |
| Total ... | 858,954 | 98,739 | 957,693 | 921,553 | 36,140 | 3·77 | 16,932 15 11 | 3·395 | 11 5 1 | 3·528 | 11 12 2 |
| GRAND TOTAL ... | 1,601,695 | 246,365 | 1,848,060 | 1,735,924 | 112,136 | 6·07 | 36,489 2 7 | 3·791 | 12 10 2 | 4·036 | 13 7 3 |

From the above statement it will be observed that the most extensive fires have occurred in Bilaspur covering 13,261 acres, Nimar covering 33,671 acres, Raipur covering 27,840 acres, Mandla covering 2,055 acres, Chhindwara covering 1,400 acres, and Bhandara covering an area of 1,312 acres. In the remaining Divisions the areas of failure were less than one thousand acres.

### *Grazing and Fencing.*

87. There was no change in the Rules for regulating grazing during the year. The following statement shows the areas which were open to and closed against all grazing :—

| Divisions. | Area in square miles. | | | | | | | Percentage which the area closed to grazing bears to the total area of the Division |
|---|---|---|---|---|---|---|---|---|
| | Closed to all animals. | | Closed to camels, goats and sheep. | | Open to all animals. | | Total area. | |
| | Whole year. | Part of year. | Whole year. | Part of year | Whole year. | Part of year. | | |
| ***Southern Circle.*** | | | | | | | | |
| Nagpur ... ... | 245 | ... | 48 | .. | 229 | ... | 522 | 56 13 |
| Bhandara ... ... | 16 | ... | ... | ... | 536 | ... | 552 | 2·90 |
| Chanda ... ... | 318 | .. | 52 | ... | 3,093 | ... | 3,463 | 10 68 |
| Wardha ... ... | 29 | ... | ... | ... | 171 | ... | 200 | 14 50 |
| Balaghat ... ... | 34 | ... | ... | ... | 1,078 | ... | 1,112 | 3 06 |
| Seoni ... ... | 110 | 40 | ... | ... | 816 | ... | 966 | 15·53 |
| Chhindwara .. ... | 14 | ... | ... | ... | 692 | ... | 706 | 1·98 |
| Raipur .. ... | 6 | ... | ... | ... | 1,364 | 14 | 1,384 | 0 43 |
| Bilaspur ... ... | 3 | ... | ... | .. | 645 | ... | 648 | 0 46 |
| Sambalpur ... ... | 1 | ... | ... | ... | 393 | ... | 394 | 0·25 |
| Total ... | 776 | 40 | 100 | ... | 9,017 | 14 | 9,947 | 9·21 |
| ***Northern Circle*** | | | | | | | | |
| Jubbulpore .. ... | 43 | ... | .. | ... | 338 | ... | 381 | 11 29 |
| Saugor ... ... | 46 | ... | . | ... | 761 | . | 807 | 5·70 |
| Damoh ... | 9 | ... | ... | ... | 818 | .. | 827 | 1 09 |
| Mandla ... .. | 295 | .. | ... | ... | 2,706 | .. | 3,001 | 9 83 |
| Hoshangabad .. ... | No return received from the Forest Division al Officer. | | | | | | | |
| Betul ... ... | No return received from the Forest Division al Officer. | | | | | | | |
| Nimar .. .. | 151 | ... | ... | ... | 1,654 | ... | 1,805 | 8 37 |
| Narsinghpur ... .. | ... | ... | ... | ... | 262 | ... | 262 | ·00 |
| Total .. | 544 | ... | . | .. | 6,539 | ... | 7,083 | 7 68 |
| GRAND TOTAL. ... | 1,320 | 40 | 100 | ... | 15,556 | 14 | 17,030 | 8 57 |

88. The following table gives the numbers of animals licensed to graze during the year, and compares with the numbers licensed during the year previous :—

| Animals. | Southern Circle. | | Northern Circle | | Total for the two Circles | | Difference. | |
|---|---|---|---|---|---|---|---|---|
| | 1888-89. | 1889-90. | 1888-89. | 1889-90. | 1888-89. | 1889-90. | More. | Less. |
| Buffaloes ... ... | 148,722 | 160,964 | 196,873 | 192,320 | 345,595 | 353,284 | 7,689 | ... |
| Cows and bullocks ... | 1,158,138 | 1,228,508 | 1,052,101 | 1,026,566 | 2,205,239 | 2,255,074 | 49,835 | ... |
| Goats ... .. | 158,618 | 154,949 | 47,502 | 63,787 | 206,120 | 218,736 | 12,616 | ... |
| Sheep ... ... | 130,666 | 134,690 | 16,960 | 19,666 | 147,626 | 154,356 | 6,730 | ... |
| Ponies . ... | 119 | 374 | 1,400 | 1,122 | 1,519 | 1,496 | ... | 23 |
| Donkeys ... ... | 78 | .. | 240 | 102 | 318 | 102 | ... | 216 |
| Camels ... ... | 7 | 3 | 585 | 114 | 592 | 117 | ... | 475 |
| Elephants ... ... | ... | 3 | 70 | 3 | 70 | 6 | .. | 64 |
| Other animals ... | 10 | 23 | 37 | 87 | 47 | 110 | 63 | ... |
| Cattle in transit through the forest ... | 6,863 | 3,976 | ... | 22,125 | 6,863 | 26,101 | 19,238 | ... |
| Total ... | 1,598,221 | 1,683,490 | 1,315,768 | 1,325,892 | 2,913,989 | 3,009,382 | 96,171 | 778 |

The above summary shows a large increase in the total number of animals admitted into the forests over the previous year. The figures for the past three years given for comparison are as follows :—

| | | Number. |
|---|---|---|
| Licensed in 1887-88 | ... | 3,198,621 |
| Do. in 1888-89 | ... | 2,913,989 |
| Do. in 1889-90 | ... | 3,009,382 |

The number in 1888-89 fell considerably short of the number which found access to the forests during 1887-88. This decrease in number, 189,239 animals, is not to be regretted. The large increase in the past year, 96,168 over the number for the previous year, would, however, go to show that, despite the higher grazing rates, stock owners were by preference bringing their cattle back into the Government forests to grazing them elsewhere. This result was anticipated; see the remarks in this connection given in paragraph 60 of the Report for 1888-89.

Nearly all Divisions show an increase for the past year over the numbers grazed during the year previous. In the Chanda Division this increase is specially marked, and would show that the stock which in 1888-89 was kept away because of the new grazing rates, had been brought back during 1889-90.

89. Under the Provincial grazing Rules sanctioned in February 1889, a large number of licenses were issued; the number of cattle licensed under these Rules is shown separately in the statement, and was for the past year 26,101 animals as opposed to 6,863 licensed during the year previous. The Provincial grazing Rules provide for the licensing of animals used by professional carriers who may camp and graze their stock within forest limits while moving about the Provinces plying their trade.

90. The following is a comparison of the receipts from grazing and sale of grass during the year, compared with the figures for the two previous years :—

| | | 1887-88. Rs. | 1888-89. Rs. | 1889-90. Rs. |
|---|---|---|---|---|
| Grazing | ... | 4,40,718 | 4,61,447 | 5,03,032 |
| Sale of grass | ... | 54,691 | 72,267 | 60,874 |

While the receipts from grazing show an increase of Rs. 41,585 over those for the year previous, the receipts from grass have fallen by Rs. 11,393.

The Nimar and Raipur Divisions together account for Rs. 11,000 between them. In Raipur the failure of the crop of "Gundri" grass is said mainly to account for the large decrease, namely Rs. 6,000; while the Nimar Report is silent as to the cause. There is no doubt that the past year was an unfavourable one for the annual growth of the better kinds of grass which are principally used for thatching. A well distributed rain-fall in the monsoon season has the same effect in encouraging a vigorous and abundant growth of grass, as it has in developing the rice and other grain crops usually grown at that season. The monsoon season of 1889 was one of irregular though heavy rain-fall, and this feature specially characterised the districts which now go to show short receipts from sale of grass.

91. There is a difference of Rs. 12,175 between the figures now given in this Report as receipts from grazing, and the total sum audited and classified under this head by the Accounts Department. The explanation is that under

the new scheme sanctioned tentatively in 1888 for the Chanda District, under which adhesive stamps are affixed to licenses as representing the values paid for such licenses, the sums realized by cash sales of stamps were at once credited to R. II, instead of being treated as deposits paid into treasury, pending the final classification of revenue on receipt of license vendors' accounts. This procedure has resulted in showing a large increase of revenue placed under major head R. II in the classified accounts, with a corresponding fall of revenue under its minor heads. However, in order to exhibit a correct classification of this revenue under grazing and sale of grass, the actual receipts from these sources have now been transferred to the sum returned by the Financial Department as revenue classed under R. II (*d*). This correction further and necessarily alters the details exhibited in Form No. 10.

The Forest Divisional Officer in Chanda has now been instructed to treat cash sales of stamps as deposits paid into treasury, and as pending adjustment till such time as license-vendors' sales accounts have been audited and classified.

*Natural reproduction.*

92. In Appendix E will be found a statement showing in abstract the recorded results of observations made under this head during the year. Several of the Forest Divisional Officers have submitted full notes, but none appear to have observed, or they have failed to record, the special conditions governing the reproduction of any particular species. This omission, it is hoped, will be supplied in future reports.

Generally said, reproduction is all that can be desired in the forests which are protected from fire and grazing, and in which these protective measures are found combined with the natural conditions which favour reproduction from seed. In the Chanda Division there was a general seeding of the large bambu, *Bambusa arundenacea*, which, on some of the rivers in the eastern parts of the district, is very abundant. A large quantity of the seed has been collected and some of it has since been distributed to Forest Divisional Officers with a view to the extension of this bambu.

*Artificial reproduction.*

93. A statement will be found in Appendix F giving full details of all operations coming under this head.

The principal operations carried out during the year have consisted in planting teak and other important species to improve the composition of the forest; planting shade-giving trees along the boundary lines; and sowing the seed of teak and that of other more important species in cleared strips cut through the forest. The greater part of these operations has proved successful. The total cost was Rs. 922-8-4 for the year.

The following is a brief summary of the work done :—

| Planting. | | Sowings. | |
|---|---|---|---|
| *Number of trees*— | | | |
| Teak | ... 500 | Mixed species | ... 71 acres. |
| Mixed species | ... 2,199 | Anjun | ... 600 pits. |
| Mangoes | ... 5,230 | | |

Area planted.

Teak ... 6 acres.

*Improvement fellings and early thinnings.*

94. The following is a summary of the operations carried out during the year.

For further details see statement given in Appendix G.

Improvement fellings.

In the Chanda Division, 397 acres were cut over in compartments 18, 19 and 20 of division III of the Bhimarum Reserve. All climbers and injurious trees and shrubs were killed or cut out entirely.

In the Wardha Division, 14 acres were cut over in the Erjhar, 16 acres in the Dhuga, and 22 acres in the Malaigaon Reserves in continuation of previous operations. The difficulties attending the supply of labour had frequently brought this work to a stand-still; otherwise better results—in a larger area being worked over—would have been obtained. The price of labour, too, has gone up since the above and other forest operations were commenced.

In the Mandla Division, 325 ill-grown and badly formed trees were cut out of the Dhunwai Reserve.

In the Balaghat Division, 20 acres in the Uskal, and 20 acres in the Sonawani Reserves were cut over in strips 66 feet wide, placed at intervals of 132 feet. All worthless and badly grown trees were cut out, and the ground sown with mixed seed of the more important species, in prepared plots placed 4 feet apart, and in lines 15 feet apart. Altogether 24,384 plots were sown with seed.

In the Raipur Division, 14 acres were operated on in the Kungera-Ghotgaon sal forests, with the view to obtaining better growth from the resulting stools.

And in the Narsinghpur Division, 150 acres were operated on in the Chargaon block. All crooked and badly formed teak were cut out, and the stools dressed to secure reproduction by shoots from them.

Early thinnings

In the Raipur Division, 28 acres were thinned out, with an average of 28 8 trees per acre removed, in the young sal-pole forest of the Kungera-Ghotgaon Reserve in Sihawa

And in the Narsinghpur Division, 100 acres were thinned in the Rajgurrah block, resulting in 5,843 teak poles removed.

The total cost of the foregoing operations during the year was Rs. 1,167-11-7.

And the receipts by sale of material cut out, Rs 3,740-4-5.

Cutting out climbers.

95. The Statement below shows what has been done in cutting out destructive climbers during the year:—

| Circle. | Forest Division. | Block or Reserve. | Area over which cutting extended, in acres. | Number of climbers cut. | Cost of operation. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | |
| Southern ... | Nagpur ... | Sylareekhapa ... | ... | 24,000 | 15 0 0 | |
| | | Dongertal ... | ... | 29,590 | 10 0 0 | Includes 10,309 cut by Forest guards. |
| | | Chorbaoli .. | ... | 11,952 | 3 0 0 | Includes 6,127 cut by Forest guards. |
| | | Bewgarh ... | ... | 14,029 | 7 0 0 | Includes 5,030 cut by Forest guards. |
| | | Katol .. | ... | 8,790 | 5 0 0 | |
| | | Nagpur ... | ... | 4,165 | 5 8 0 | |
| | | Nurhar ... | ... | * | 14 0 0 | * No account kept of the number of creepers cut. |
| | | Total ... | .. | 92,526 | 59 8 0 | |
| | Bhandara .. | Gaikhuri .. | ... | 28,000 | 50 0 0 | A certain number of climbers are also cut annually by the Forest guards. |
| | | Dudhera ... | ... | 12,000 | | |
| | | Total ... | ... | 40,000 | 50 0 0 | |
| | Chanda .. | Mirkalloo ... | 400 | ... | 72 0 9 | All climbers were cut in the Bhirmaram block, compartments No. 18, 19 and 20. |
| | | Bhiewkund ... | 45 | ... | 12 6 0 | |
| | | Total ... | 445 | .. | 84 6 9 | |
| | Wardha ... | Ashti ... | ... | 434 | 3 0 0 | |
| | | Erjhar .. | ... | 3,636 | 5 4 0 | |
| | | Dhuga ... | ... | 2,400 | 3 0 0 | |
| | | Malaigaon ... | ... | 2,620 | 6 0 0 | |
| | | Girur ... | ... | 400 | 2 0 0 | |
| | | Total ... | ... | 9,480 | 19 4 0 | |
| | Balaghat ... | Uskal ... | 80 | ... | ... | Climber cutting was carried out in localities where strip felling was done and also on land intervening cleared belts. |
| | | Sonawani ... | 80 | ... | ... | |
| | | Pandratola ... | 4,817 | 38,850 | 22 3 0 | |
| | | Total .. | 4,977 | 38,850 | 22 3 0 | |
| | Seoni ... | Kurai ... | 2,500 | ... | 64 9 6 | Difference of expenditure accounted for by the density of climbers in Kurai. |
| | | Gangeyanala ... | 2,800 | ... | 20 0 0 | |
| | | Total .. | 5,300 | ... | 84 9 6 | |
| | Raipur ... | Dhamtari .. | .. | 3,200 | .. | Climbers cut out to the great benefit of the teak in the Maramsilli forest. |
| Northern ... | Mandla ... | Jugmandal .. | ... | 73,489 | 131 5 0 | Climber cutting confined to the more important portions of the forests. |
| | | Bunjar .. | ... | 7,586 | 51 5 0 | |
| | | Chubarigogarh . | ... | 71,524 | 28 1 6 | |
| | | Total .. | ... | 1,52,599 | 210 11 6 | |
| | Betul ... | Ranipura ... | ... | 1,22,820 | 86 12 6 | |
| | | Bowergarh ... | ... | 65,020 | 29 4 0 | |
| | | Tapti ... | ... | 2,94,000 | 211 4 0 | |
| | | Total .. | ... | 4,81,840 | 327 4 6 | |

In addition to the above, climbers are killed, as opportunities offer, by the Forest guards, but of which no correct account as to number is however kept.

*Experiments and Exotic trees.*

96. Again, there is little to record under this head. A few Mahogany trees still survive in the Lormi and Hathibari Reserves of the Bilaspur Division. The sowing of Sandal seed was tried in Seoni, but without success. In the Bhandara Division an attempt has been made to establish an evergreen belt along the boundary in the Dhudara Reserve, and which it is expected will eventually form a screen opposed to the progress of fire. Prickly Pear (*Opuntia dellenni*) and Karunji (*Pongamia glabra*) were planted out in rows; but the success of this experiment is still doubtful.

The following plants, obtained from the sowings of previous years, are reported as still alive :—

| | | |
|---|---|---|
| Padouk ... | ... | 1 |
| Pterocarpus santalinus | ... | 13 |
| Sal ... | ... | 3 |
| Arabian date palms... | .. | 28 |

It is stated that these plants have not done well, owing to the conditions of soil and climate being unsuitable.

*Communications and Buildings.*

97. The summary below shows the work done during the year in the construction and up-keep of Roads and Buildings :—

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Communications. | (1). | New road, 13 miles cost | ... | 718 | 14 | 3 |
| | (2). | New ghats opened 976 feet | ... | 338 | 5 | 0 |
| | (3). | Repairs of existing roads, 349½ miles, cost | ... | 979 | 4 | 11 |
| | | Total | ... | 2,036 | 8 | 2 |

*New Buildings.*

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Buildings. | (1). | Officer's Rest-houses, No. 1 cost | ... | 103 | 8 | 8 |
| | (2). | Revenue Depôt | ... | ... | | |
| | (3). | In Ranges, No. 117, cost | ... | 2,119 | 9 | 7 |
| | | Total | ... | 2,223 | 2 | 3 |

*Repairs of Buildings*

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| | (1). | Officer's Rest-houses—No 8, cost | ... | 862 | 10 | 5 |
| | (2). | Revenue Depôts, No. 3, cost | ... | 77 | 1 | 6 |
| | (3). | In Ranges, No. 124, cost | ... | 967 | 14 | 2 |
| | | Total | ... | 1,907 | 10 | 1 |

The total cost under communications and buildings has therefore been :—

| | | Rs. | a. | p. |
|---|---|---|---|---|
| For new roads | ... | 1,057 | 3 | 3 |
| For repairs of existing roads | ... | 979 | 4 | 11 |
| For new buildings | ... | 2,223 | 2 | 3 |
| For repairs of buildings | ... | 1,907 | 10 | 1 |
| Total | ... | 6,167 | 4 | 6 |

98. The summary below shows the above details for the two Circles :—

SOUTHERN CIRCLE.

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Communications. | (1). | New roads, 5 miles, cost | ... | 200 | 0 | 0 |
| | (2). | New ghats opened, 976 feet | ... | 338 | 5 | 0 |
| | (3). | Repairs of existing roads, 291½ miles | ... | 506 | 14 | 0 |
| | | Total | ... | 1,045 | 3 | 0 |

*New Buildings.*

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Buildings. | (1) | Officers' Rest-houses, No. 1 cost | ... | 103 | 8 | 8 |
| | (2) | Revenue Depôts, cost | ... | ... | | |
| | (3) | In Ranges, No. 87 cost | ... | 1,370 | 3 | 4 |
| | | Total | ... | 1,473 | 12 | 0 |

*Repairs of existing Buildings.*

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| | (1). | Officers' Rest-houses, No. 3 cost | ... | 515 | 10 | 5 |
| | (2). | Revenue Depôts, No. 1 „ | ... | 18 | 1 | 6 |
| | (3). | In Ranges, No. 53 „ | ... | 452 | 2 | 9 |
| | | Total | ... | 985 | 14 | 8 |
| | | TOTAL FOR SOUTHERN CIRCLE | ... | 3,504 | 13 | 8 |

NORTHERN CIRCLE.

| | | | | Rs. | a. | p. |
|---|---|---|---|---|---|---|
| Communications. | (1). | New roads, 8 miles, cost | ... | 518 | 14 | 3 |
| | (2). | New ghats opened, miles | ... | ... | | |
| | (3). | Repairs of existing roads, 58 miles, cost | ... | 472 | 6 | 11 |
| | | Total | ... | 991 | 5 | 2 |

*New Buildings.*

| | | | Rs. | a. | p. |
|---|---|---|---|---|---|
| Buildings. | (1). Officers' Rest-houses | ... ... | ... | | |
| | (2). Revenue Depôts | ... ... | ... | | |
| | (3). In Ranges, No. 30 cost | ... ... | 749 | 6 | 3 |
| | Total | ... | 749 | 6 | 3 |

*Repairs of existing Buildings.*

| | | | Rs. | a. | p. |
|---|---|---|---|---|---|
| (1). | Officers' Rest-houses, No. 5 cost | ... | 347 | 0 | 0 |
| (2). | Revenue Depôts, No. 2 „ | ... | 59 | 0 | 0 |
| (3). | In Ranges, No. 30 „ | ... | 515 | 11 | 5 |
| | Total | ... | 921 | 11 | 5 |
| | TOTAL FOR NORTHERN CIRCLE | ... | 2,662 | 6 | 10 |

99. The following is a brief note on the new roads opened :—

A new cart road 5 miles long was opened, leading into the Sonawani Reserve, Balaghat Division, and cost Rs. 200. In the Bilaspur Division a particularly bad portion of the ghat road leading into the Sonakhan Range was opened up by blasting and cutting away the rock for a length of 10 chains, which cost Rs. 193-12-0; and a similar ghat road leading into the Kuagatti Pantora Range cost Rs. 144-9-0 for blasting of rock and opening the road to a width of 20 feet by 316 feet in length. Of the total expenditure, amounting to Rs. 338-5-0, thus incurred in the Bilaspur Forest Division, only a sum of Rs. 190-5-0 was finally charged off in the accounts of 1889-90, leaving a balance of Rs. 148-0-0 to be charged off in the accounts of 1890-91.

In the Mandla Division a cart road 4 miles long, leading from Kanha to Kopidabra in the Bunjar valley range, cost Rs. 246. And in Betul, the cost of opening up a new cart road in the Ranipara Reserve, leading from Mowar to Chowki, cost Rs. 266-6-3.

99 *bis*. A new Rest-house for officers was built at Marnil in the Abiri Reserve, Chanda Division, at a cost of Rs. 282-6-7. The old Rest-house at Allapelli, which had come down, was rebuilt at a cost of Rs. 413-5-5, including better out-houses.

The remaining works, consisting of ordinary repairs, and small buildings erected for depôt and forest establishment, need not be noticed here. Full details of all works executed during the year will be found in the Appendices H and J.

# CHAPTER IV.

## YIELD AND WORKING.

### *Departmental operations.*

100. The following summary shows the quantity of timber and other forest produce cut, collected and removed by departmental agency :—

| Description of produce. | In cubic feet. | Number. | In tons. |
|---|---|---|---|
| Timber, teak and sal ... | 1,05,178 | ... | 2,103 |
| Timber, other than teak and sal ... ... | 81,662 | .. | 1,633 |
| Firewood and charcoal ... ... | 54,585 | ... | 1,091 |
| Bamboos ... ... | ... | 1,20,907 | 173 |
| Do. manufactured ... ... | ... | 133 | ... |
| Grass ... ... | ... | ... | 398 |
| Fruit and Flowers ... } Other minor produce ... | ... | ... | 411 |
| Miscellaneous ... } Other minor produce ... | ... | ... | 254 |
| Hurra ... } Other minor produce ... | ... | ... | |
| Skins and horns ... ... | ... | ... | 1 |
| Mineral products ... ... | ... | ... | ... |
| Total ... | 2,41,425 | 1,21,040 | 6,064 |

The quantity of timber, teak and sal worked out departmentally during the year 1889-90 was 105,178 cubic feet, as compared with 154,597 cubic feet worked out during the preceding year.

Of timber other than teak and sal there were worked out 81,662 cubic feet, as against 95,239 cubic feet; and of firewood and charcoal 54,585 cubic feet, as against 43,750 cubic feet; while of bamboos, both the raw material and articles manufactured therefrom, the quantity cut, collected and removed from the forests was 173 tons, as compared with 177 tons in the year previous.

As regards grass, the quantity brought to sale depôts was 398 tons, as compared with 941 tons removed during the year previous. And of minor forest produce, inclusive of myrabolams, the total quantities for the two years now under comparison were 665 and 721 tons respectively.

101. The total quantity of produce worked out departmentally during the past two years, and expressed in tons, is compared below :—

| | 1888-89. Tons. | 1889-90. Tons. |
|---|---|---|
| Timber, teak and sal ... | 3,092 | 2,103 |
| Timber other than teak and sal ... | 1,905 | 1,633 |
| Firewood ond charcoal ... | 875 | 1,091 |
| Bamboos ... | 177 | 173 |
| Grass and other minor forest produce ... | 1,663 | 1,064 |
| Total ... | 7,712 | 6,064 |

The above quantities are inclusive of timber, firewood and charcoal derived from sylvicultural operations carried out during the past two years.

102. The total quantities of timber and other forest produce worked out departmentally during the year 1889-90 in the several Forest Divisions of the two Circles are shown in the Statement given below :—

| Names of Districts. | In cubic feet. | | | Number. | In Tons. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Timber. | | Firewood and charcoal. | Bamboos. | Grass. | Fruits and flowers. | Skins and Horns. | Miscellaneous Products. | Mineral Products. |
| | Teak and sal. | Other than teak and sal. | | | | | | | |
| **SOUTHERN CIRCLE.** | | | | | | | | | |
| Balaghat ... | 361 | 2 | 7,563 | 48,367 | ... | 235 | ... | ... | ... |
| Bhandara ... | 365 | 30,228 | 4,720 | .. | ... | ... | ... | ... | ... |
| Bilaspur ... | 2,479 | 8,970 | 4,370 | 2,237 | ... | 2 | ... | ... | ... |
| Chanda ... | 49,497 | 14,642 | ... | 14,413 | ... | 2 | ... | 51 | .. |
| Chhindwara ... | ... | ... | ... | ... | ... | 15 | ... | ... | ... |
| Nagpur-Wardha ... | 6,236 | 22,128 | 19,989 | 2,659 | 7 | ... | ... | 3 | ... |
| Raipur ... | 1,484 | 1,687 | 13,324 | ... | 132 | ... | ... | ... | ... |
| Seoni ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Sambalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 60,422 | 77,657 | 49,966 | 67,676 | 139 | 254 | ... | 54 | ... |
| **NORTHERN CIRCLE.** | | | | | | | | | |
| Betul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Damoh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Hoshangabad ... | 1,519 | 470 | 2,026 | 800 | 13 | ... | ... | 1 | ... |
| Jubbulpore ... | 3,213 | ... | 286 | 16,071 | 242 | ... | ... | 9 | ... |
| Mandla ... | 9,185 | 434 | 2,307 | 36,360 | ... | ... | 1 | 347 | ... |
| Narsinghpur ... | 30,802 | ... | ... | ... | 4 | ... | .. | ... | ... |
| Nimar ... | 37 | 3,101 | ... | ... | ... | ... | ... | ... | ... |
| Saugor ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 44,756 | 4,005 | 4,619 | 53,231 | 259 | ... | 1 | 357 | ... |
| Total for the two Circles... | 1,05,178 | 81,662 | 54,585 | 1,20,907 | 398 | 254 | 1 | 411 | ... |

103. The number of trees that went down under selection fellings in the Ahiri forest of the Chanda Division will be seen as follows :—

| | |
|---|---|
| Teak ... ... ... | 254 |
| Other species ... ... ... | 86 |

104. The out-turn in cubic feet of sleepers and other scantlings by conversion of the rough material was as follows :—

| | | Cubic feet. |
|---|---|---|
| Chanda | ... ... | 12,269 |
| Balaghat | ... ... | 361 |
| Mandla | .. ... | 3,012 |
| | Total ... | 16,042 |

105. The details following show the quantity of clean sawn material that was carried from forests to depôts of sale :—

| | | Cubic feet. |
|---|---|---|
| From Ahiri Forests, Chanda, to Warora | ... | 12,302 |
| From Mokarli Forests, Chanda, to Warora (pit-props) | ... | 8,991 |
| From Ahiri Forests, *en route* to Warora Depôt | ... | 13,251 |
| From Kongera to Raipur ... | ... | 2,714 |
| From Mandla to Gwarighat ... | ... | 1,984 |

106. The quantity of Myrabolams collected during the year was as follows :—

| | | Maunds. |
|---|---|---|
| Chanda | ... | 59 |
| Balaghat | ... | 6,582 |
| Chhindwara | ... | 518 |
| Mandla | ... | 10,322 |
| Total | ... | 17,481 |

* The maund is of 80 lbs.

107. Annual Form No. 56 shows the opening and closing balances of timber and other stock at sale depôts, and the receipts and disposal of the same during the year.

*Removal of produce by purchasers and consumers.*

108. The Statement below is a summary of the quantities removed during the year.

| Description of produce. | In cubic feet. | Number. | In tons. |
|---|---|---|---|
| Timber, teak and sal ... ... | 41,686 | ... | 833 |
| Timber other than teak and sal ... ... | 918,568 | ... | 18,371 |
| Firewood and charcoal ... ... | 5,167,568 | ... | 103,352 |
| Bamboos ... ... | ... | 9,275,633 | 13,251 |
| Do. manufactured ... ... | ... | 49,863 | 223 |
| Grass ... ... | ... | ... | 37,724 |
| Fruits and flowers ... ... | ... | ... | 171 |
| Miscellaneous ... ... | ... | ... | 7,032 |
| Hurra ... ... | ... | ... | 6 |
| Skins and horns ... ... | ... | ... | 92 |
| Mineral products ... ... | .. | ... | 8,122 |
| Total ... | 6,127,817 | 9,325,496 | 189,177 |

The total quantity removed in 1889-90 compared with the total quantity removed during the year 1888-89, was as 189,177 is to 212,596 tons, or less by 23,419 tons. It is seen, by comparing the details which appear in annual Forms Nos. 54 and 55 for the two years, that in respect of every kind of forest produce less quantities were removed during the year 1889-90, than was the case in the year previous. This is also seen by the following summary in which the respective quantities are compared and expressed in tons :—

| | Removed during 1888-89. Tons. | Removed during 1889-90. Tons. |
|---|---|---|
| Timber ... ... ... ... | 21,486 | 19,204 |
| Firewood and charcoal... ... ... | 104,643 | 103,352 |
| Bamboos and articles manufactured therefrom... | 19,940 | 13,474 |
| Grass ... ... ... ... | 50,392 | 37,724 |
| Other minor forest produce ... ... | 16,135 | 15,423 |
| Total ... | 212,596 | 189,177 |

The past year was an extremely unhealthy one. The out-breaks of cholera paralysed the people; and whenever cholera disappeared from a district, fever took its place there. It thus happened that fewer people than usual were able to resort to the forests, than was the case in the year previous.

109. Worked out separately for the several Forest Divisions of the two Circles, the quantities of produce removed from the forests by purchasers and consumers are given below :—

| Names of Districts. | In cubic feet. | | | No. | In Tons. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Timber. | | Firwood and charcoal. | Bamboos. | Grass. | Fruits and flowers. | Skins and Horns. | Miscellaneous products. | Mineral products. |
| | Teak and sal. | Other than teak and sal. | | | | | | | |
| *Southern Circle.* | | | | | | | | | |
| Balaghat ... | 182 | 6,019 | 268,394 | 661,200 | 2,104 | 58 | ... | 351 | 69 |
| Bhandara ... | 507 | 102,643 | 488,247 | 534,459 | 8,480 | 1 | .. | 478 | 1,154 |
| Bilaspur ... | ... | 696 | 4,794 | 170,682 | 649 | ... | ... | 314 | 221 |
| Chanda ... | 2,052 | 179,918 | 544,216 | 988,805 | 1,850 | 10 | 1 | 74 | 1,168 |
| Chhindwara ... | 1,009 | 16,139 | 96,438 | 158,012 | 2,809 | 2 | ... | 720 | 8 |
| Nagpur-Wardha ... | 461 | 82,401 | 314,242 | 254,331 | 2,199 | ... | ... | 158 | 449 |
| Raipur | 32 | 65,207 | 450,457 | 139,431 | 3,616 | 91 | 37 | 69 | 70 |
| Seoni ... | 5,851 | 102,869 | 472,132 | 573,691 | 4,308 | ... | ... | 43 | 3 |
| Sambalpur ... | 368 | 7,178 | 241,067 | 1107,333 | 41 | 6 | ... | ... | 202 |
| Total ... | 10,462 | 563,070 | 2,879,987 | 4,587,944 | 26,050 | 168 | 38 | 2,207 | 3,344 |
| *Northern Circle.* | | | | | | | | | |
| Betul ... | 17,029 | 39,501 | 118,050 | 733,678 | 3,029 | ... | 44 | 203 | 260 |
| Damoh ... | 1,450 | 92,397 | 369,734 | 289,557 | 170 | ... | 1 | 11 | 3,152 |
| Hoshangabad ... | 9,979 | 68,191 | 561,851 | 1,634,694 | 1,651 | ... | 3 | 1,492 | 96 |
| Jubbulpore ... | 203 | 9,651 | 37,696 | 177,174 | 169 | 3 | ... | 4 | 80 |
| Mandla ... | 486 | 50,712 | 65,242 | 459,910 | 22 | ... | 5 | 39 | 14 |
| Narsinghpur ... | 141 | 12,978 | 186,968 | 319,246 | 17 | ... | ... | 602 | 18 |
| Nimar ... | 659 | 59,127 | 687,978 | 931,040 | 6,178 | 4 | 1 | 1,927 | 62 |
| Saugor ... | 1,217 | 22,93 | 260,062 | 142,890 | 438 | 2 | ... | 547 | 1,096 |
| Total ... | 31,224 | 355,493 | 2,287,581 | 4,687,689 | 11,674 | 9 | 54 | 4,825 | 4,778 |
| TOTAL FOR THE TWO CIRCLES ... | 41,686 | 18,563 | 5,167,568 | 9,275,633 | 37,724 | 177 | 92 | 7,032 | 8,122 |

*Free grants of forest produce.*

110. There were no absolutely free grants made during the year, but sanction was given to charge half rates in the case of the inhabitants of village Nimbola, Nimar District, because of their houses having been burned down. The quantity of produce to which the half rates applied was :—

| | |
|---|---|
| Building wood class III ... ... ... | 94 cart loads. |
| Grass ... ... ... ... | 233 cart loads. |
| which valued at full rates was worth ... | Rs. 293-4-0. |

*Produce removed by right-holders and under privileges.*

111. There are no right holders in the State forests.

*Summary of produce removed from the Forests.*

112. The full details of this summary may be seen on reference to annual Forms No. 54, Timber and Firewood, and No. 55, Minor Forest Produce.

The figures given below have been abstracted from the annual yield statements above referred to.

| Description of produce. | | In cubic feet. | In tons. |
|---|---|---|---|
| Timber, teak and sal ... ... | | 146,864 | 2,937 |
| Timber other than teak and sal ... ... | | 1,000,225 | 20,004 |
| Firewood and charcoal ... ... | | 5,222,153 | 104,443 |
| Bamboos ... No. .. | | 9,396,540 | 13,647 |
| Do. manufactured ... " ... | | 49,996 | |
| Grass ... .. | | ... | 38,122 |
| Fruits and flowers, Miscellaneous, Hurra, | Other minor produce ... | ... | 7,874 |
| Skins and Horns ... ... | | ... | 93 |
| Mineral products ... .. | | ... | 8,122 |

The total yield statements have been further abstracted, and are now given below separately for each Circle :—

| Description of produce. | | In cubic feet. | In tons. |
|---|---|---|---|
| *Southern Circle.* | | | |
| Timber, teak and sal ... ... | | 70,884 | 1,417 |
| Timber other than teak and sal ... .. | | 640,727 | 12,814 |
| Firewood and charcoal ... ... | | 2,929,953 | 58,599 |
| Bamboos No. | | 4,655,620 | 6,874 |
| Do. manufactured " ... | | 49,996 | |
| Grass ... ... . | | ... | 26,189 |
| Fruits and flowers ... | Other minor produce .. | ... | 162 |
| Miscellaneous ... | | | 2,261 |
| Hurra ... | | | 260 |
| Skins and Horns ... .. | | ... | 38 |
| Mineral products ... .. | | ... | 3,344 |
| Total Southern Circle ... | | 3,641,561 | 111,958 |

| Description of produce. | | In cubic feet. | In tons. |
|---|---|---|---|
| *Northern Circle.* | | | |
| Timber, teak and sal ... | ... | 75,980 | 1,520 |
| Timber other than teak and sal ... | ... | 359,498 | 7,190 |
| Firewood and charcoal ... | ... | 2,292,200 | 45,844 |
| Bamboos No. | ... | 4,740,920 | 6,773 |
| Do. manufactured " | ... | ... | |
| Grass ... ... | ... | ... | 11,933 |
| Fruits and flowers ... | | ... | 9 |
| Miscellaneous ... Other minor produce | ... | ... | 5,182 |
| Hurra ... | | ... | ... |
| Skins and Horns ... | ... | ... | 55 |
| Mineral products ... | ... | ... | 4,778 |
| Total Northern Circle | ... | 2,727,678 | 83,284 |
| Grand Total yield for the year 1889-90 | ... | 6,369,24· | 195,242 |

*Imports and Exports of forest produce.*

113. Under Imports and Exports of forest produce there is nothing to record.

## CHAPTER V.

### Financial Results.

114. The summary of Revenue and Expenditure, Form No. 58, of the several Divisions has been duly verified by the Accounts Department, and shows none other but the audited and classified figures furnished by the Comptroller and Auditor-General.

Financially considered, the year's results, as compared with those for the previous year, are not so favourable to the working of the Department. The gross receipts amounted to Rs. 11,56,181, as compared with Rs. 11,80,405 for the year 1888-89. Again, the expenditure was Rs. 6,20,729 as compared with Rs. 5,99,599 for the year previous; and the net surplus revenue, at the end of the year, was Rs. 5,35,452 as compared with Rs. 5,80,806 at the close of the year 1888-89.

Thus, while receipts decreased by Rs. 24,224, the expenditure was increased by Rs. 21,130, and the surplus in consequence of these disturbing causes was less by Rs. 45,354 than for the year 1888-89.

The above summary is verified by the figures given in the table below :—

| | | 1888-1889. | | 1889-1890. | | |
|---|---|---|---|---|---|---|
| | | Rs. | Rs. | Rs. | Rs. | Rs. |
| Receipts ... | | ... | 11,80,405 | ... | 11,56,181 | —24,224 |
| Expenditure ... | A Charges ... | 2,40,800 | ... | 2,33,638 | ... | ... |
| | B Charges ... | 3,58,799 | 5,99,599 | 3,87,091 | 6,20,729 | +21,130 |
| Surplus ... | | ... | 5,80,806 | ... | 5,35,452 | —45,354 |

Briefly stated, the principal reason why less forest revenue was credited during the year under report, was because of the considerable fall in receipts from sale of timber worked out departmentally and that removed by purchasers, which, if the two items be now taken together, was less by Rs. 80,306 than the total receipts derived from timber sold during the previous year. But for the large increase of revenue from other sources, and of which an explanation will be found given further on, the year's deficit would have been a considerably larger sum.

The expenditure under "A Conservancy and Works" was less than in the previous year by Rs. 7,162, due principally to the curtailment of departmental timber operations—and hence from this fact it may be seen that the increase in total charges for the year under report is solely due to the higher cost of establishments.

115. It is now necessary to explain the differences which appear on contrasting together the classified forest receipts for the past two years. This contrast is made below between the figures given for each Major Budget Head :—

| Major Budget Head. | Receipts in | | Difference. | | Net difference. |
|---|---|---|---|---|---|
| | 1888-89. | 1889-90. | More than 1888-89. | Less than 1888-89. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| R I ... | 1,60,374 | 1,04,050 | ... | 56,324 | ... |
| R II ... | 9,86,470 | 10,06,754 | 20,284 | ... | ... |
| R III ... | 4,647 | 4,221 | ... | 426 | ... |
| R IV ... | 11,553 | 10,112 | ... | 1,441 | ... |
| R V ... | 17,361 | 31,044 | 13,683 | ... | ... |
| Total ... | 11,80,405 | 11,56,181 | 33,967 | 58,191 | Less 24,224 |

Under R I the decrease by sale of timber worked out departmentally is Rs. 66,309, and under bamboos Rs. 394 ; while there has been an increase in the receipts from sale of minor forest produce amounting to the sum of Rs. 9,803, and from fire-wood to Rs. 576.

| | | Rs. |
|---|---|---|
| The totals are —Decrease | ... | 66,703 |
| Increase | ... | 10,379 |
| Net Decrease | ... | 56,324 |

Under R II there is a decrease of Rs. 13,997 on account of timber removed from forests by purchasers, and Rs. 39 on account of minor forest produce; while there has been an increase of Receipts over previous year as follows:—

| | | Rs. |
|---|---|---|
| R II | ... | 3,649 |
| R II (*b*) | ... | 12,466 |
| R II (*c*) | ... | 182 |
| R II (*d*) | ... | 18,023 |

| | | Rs. |
|---|---|---|
| The total Increase is therefore | ... | 34,320 |
| Decrease is | ... | 14,036 |
| Net Increase is | ... | 20,284 |

There has been a mis-classification of the items making up totals under Heads R II and R II (*a*) which has been explained in paragraph 91 *ante*. The foregoing comparisons are between the audited figures alone which have not been altered in any way, and which therefore agree with the summaries of Revenue for the past two years received from the Finance Department.

Under R III; Receipts were less by Rs. 426 than in th previous year. And under R IV (*b*), revenue shared from private forests, the receipts were less by Rs. 1,441, due to certain sums still remaining outstanding at the close of the year, but mainly to a mis-classification which will be explained further on.

Under the remaining head R V, there is an increase under R V (*c*), Other sources, of Rs. 15,101; and a decrease of Rs. 881 under Fines and Forfeitures, and of Rs. 537 under Refunds; thus showing a net increase under these heads of Rs. 13,683.

It is now seen from the foregoing details that the principal item of deficit in the Receipts of the Department for the year under report, was due to the demand for the higher classes of timber being less than in the previous year, and therefore less of it was sold; the other items of revenue which enter into the element of this deficit are comparatively of insignificant importance, and need no further mention here.

The principal items of increase of revenue, over that of the previous year, is marked by the larger receipts from sale of myrabolams; and through a mis-classification, already referred to, of items of receipts given under R II; of a large increase now seen under firewood and charcoal amounting to Rs. 12,466, due to the supersession of commutation licenses by consolidated licenses for fixed quantities at ordinary rates; to the large increase under graizng and fodder grass, Rs. 18,023, though actually the increase was greater, as may have been observed from the remarks made in paragraph 91 of this report; and, finally, in the large increase there has been in receipts classified under Rule V (c), "Other sources", amounting to Rs. 15,101. This sum is, however, largely made up of revenue from shared and private forests, but which has inadvertently been classified under this sub-head.

116. The following statement compares under each Budget sub-head the Forest Revenue for the past two years:—

| Budget Heads. Receipts. | Receipts, 1888-89. | Receipts, 1889-90. | Difference. | | Net Increase or Decrease under each Major Budget head. | |
|---|---|---|---|---|---|---|
| | | | Increase. | Decrease. | Increase. | Decrease. |
| I.—Timber and other produce removed from the Forests by Government Agency— | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| a. Timber ... | 1,33,803 | 67,494 | ... | 66,309 | ... | ... |
| b. Firewood and charcoal ... | 853 | 1,429 | 576 | ... | ... | ... |
| c. Bamboos . | 2,573 | 2,179 | ... | 394 | ... | ... |
| d. Sandal-wood ... | ... | ... | ... | ... | ... | ... |
| e. Grass and other Minor produce | 23,145 | 32,948 | 9,803 | ... | ... | ... |
| Total ... | 1,60,374 | 1,04,050 | 10,379 | 66,703 | ... | 56,324 |
| II.—Timber and other produce removed from the Forests by consumers or purchasers— ... | 83,093 | 86,742 | 3,649 | ... | ... | ... |
| a. Timber ... | 1,10,380 | 96,383 | .. | 13,997 | ... | ... |
| b. Firewood and charcoal ... | 70,892 | 83,358 | 12,466 | ... | ... | ... |
| c. Bamboos ... | 91,400 | 91,982 | 182 | ... | ... | ... |
| d. Grazing and fodder grass ... | 5,33,713 | 5,51,736 | 18,023 | ... | ... | ... |
| e. Other Minor produce ... | 93,992 | 96,953 | ... | 39 | ... | ... |
| Total ... | 9,86,470 | 10,06,754 | 34,820 | 14,036 | 20,284 | .. |
| III.—Confiscated, drift and waif wood. | 4,647 | 4,221 | ... | 426 | ... | 426 |
| IV.—Revenue from Forests not managed by Government— | | | | | | |
| a. Duty on Foriegn timber and other Forest produce ... | .. | ... | ... | ... | ... | ... |
| b. Revenue from shared and private Forests ... | 11,553 | 10,112 | ... | 1,441 | ... | 1,441 |
| V. Miscellaneous— | | | | | | |
| a. Fines and forfeitures .. | 2,183 | 1,302 | ... | 881 | ... | ... |
| b. Refunds .. | 975 | 438 | ... | 537 | ... | ... |
| c. Other sources .. | 14,203 | 29,304 | 15,101 | ... | ... | ... |
| Total | 17,361 | 31,044 | 15,101 | 1,418 | 13,683 | ... |
| GRAND TOTAL RECEIPTS ... | 11,80,405 | 11,56,181 | 59,800 | 84,024 | | |
| Net Decrease during the year | 1889-1890 ... | | 24,224 | | ... | ... |

117. The following is a summary showing expenditure under "A Conservancy and Works" for the past two years, compared under principal Budget Heads:—

| Major Budget Heads. | Expenditure in | | Difference. | | Net difference. |
|---|---|---|---|---|---|
| | 1888-89. | 1889-90. | More than 1888-89. | Less than 1888-89. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| AI .. | 76,296 | 30,695 | ... | 45,601 | .. |
| AII ... | 90,898 | 1,07,542 | 16,644 | ... | ... |
| AIII ... | ... | 4 | 4 | ... | ... |
| AIV ... | ... | ... | ... | ... | ... |
| AV ... | 251 | 251 | ... | ... | ... |
| AVI .. | 11,138 | 11,809 | 671 | ... | ... |
| AVII ... | 3,865 | 6,091 | 2,226 | ... | ... |
| AVIII ... | 54,745 | 72,427 | 17,682 | ... | ... |
| AIX ... | 3,607 | 4,819 | 1,212 | ... | ... |
| Total | 2,40,800 | 2,33,638 | 38,439 | 45,601 | Less 7,162 |

Expenditure* in 1889-90 was less under departmental timber operations than in the previous year by Rs. 42,916, due to the less demand there was for timber, and the consequent curtailment of timber operations. There was also less expenditure, by Rs. 3,368, under A I (*e*) owing to the year's crop of Myrabolams being less than the average crop; while the charges under the two remaining sub-heads were together less than in the previous year by Rs. 683.

The larger expenditure under A II is chiefly due to the cost of printing forest licenses, and the maintenance of temporary establishments employed on Revenue collections The latter, however, exceeded by a small amount only the cost incurred in 1888-89, so that the increase of expenditure is mainly due to printing charges on account of forest license forms, the adjusted cost of which in 1889-90 was Rs. 12,898.

Under communications and buildings, a larger expenditure was incurred than in the previous year by Rs. 898 and Rs. 1,700 respectively, due to new roads having been opened up and better quarters having been provided for officers and the Range establishments.

Expenditure has been largely in excess, Rs. 18,906, under sub-heads (*c*), (*d*) (*e*) and (*f*) of A VIII : while there was a decrease, as compared with the year previous, under sub-heads (*a*) and (*b*), of Rs. 1,224: the net increase being therefore Rs. 17,682. This increase is divided over the following works:—

A VIII (*c*) Rs. 13,588, this sum principally represents the cost of the Forest Survey Branch, which had parties at work in the Jubbulpore, Raipur, Bhandara and Chanda Districts.

* For a more detailed comparison of the figures see the Statement given at page 49

There was also an increase of Rs. 4,906 on protection from fire, due to the additional forest areas which were brought under organized fire protection. The remaining items are insignificant and aggregate Rs. 412. The cost of demarcation has decreased by Rs. 1,125 and compensation for lands and rights by Rs. 99. The completion of the work of demarcation is now rapidly approaching, when the only expenditure under this head will be that due to the up-keep of forest boundaries and boundary marks, which in themselves are works of some magnitude, as will doubtless be apparent from the new boundary statement furnished with this report.

The expenditure under the remaining head was more than the year previous, and which is shown as follows :—

| | | Rs. |
|---|---|---|
| A IX (*a*) Refunds | ... | 583 |
| (*b*) Law charges | ... | 7 |
| (*c*) Other charges | ... | 622 |
| Total | ... | 1,212 |

These items call for no explanation.

118. Below is a summary showing a comparison of charges on account of B. Establishments, incurred during the past two years :—

| Major Budget Heads. | Expenditure in | | Difference. | | |
|---|---|---|---|---|---|
| | 1888-89. | 1889-90. | More than 1888-89. | Less than 1888-89. | Net difference. |
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| B I Salaries ... | 3,21,477 | 3,45,906 | 24,429 | ... | ... |
| B II Travelling allowances ... | 19,753 | 22,069 | 2,316 | ... | ... |
| B III Contingencies ... | 17,569 | 19,116 | 1,547 | ... | ... |
| Total ... | 3,58,799 | 3,87,091 | 28,292 | .. | More 28,292 |

The net increase,* as shown above, in these charges is Rs. 28,292 : if from this sum be deducted Rs. 7,162, less expenditure incurred in 1889-90 under A "Conservancy and Works" than was incurred in the year previous, the net increase of total charges, as expenditure of the year under Report, was Rs. 21,130.

* For more detailed comparison see the Statement given at page 50.

119. The following two statements compare the details of expenditure under the several Budget sub-heads of the Department for the past two years :—

| Budget Heads. | Expenditure, 1888-89. | Expenditure, 1889-90. | Difference. | | Net Increase or Decrease under each Major Budget Head. | |
|---|---|---|---|---|---|---|
| | | | Increase. | Decrease. | Increase. | Decrease. |
| A.—CONSERVANCY AND WORKS. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| I.—Timber and other produce removed from the Forests by Government Agency— | | | | | | |
| (a). Timber ... .... ... | 64,955 | 22,039 | ... | 42,916 | ... | ... |
| (b). Firewood and Charcoal ... ... | 220 | 423 | 203 | ... | ... | ... |
| (c). Bamboos ... ... ... | 691 | 1,171 | 480 | ... | ... | ... |
| (d). Sandal-wood ... ... | ... | ... | ... | .. | ... | ... |
| (e). Grass and other minor produce ... | 10,430 | 7,062 | ... | 3,368 | ... | ... |
| Total ... | 76,296 | 30,695 | 683 | 46,284 | ... | 45,601 |
| II.—Timber and other produce removed from the Forests by consumers or purchasers ... | 90,898 | 1,07,542 | 16,644 | ... | 16,644 | ... |
| III.—Confiscated, drift and waif wood ... | ... | 4 | 4 | ... | 4 | ... |
| IV.—Revenue from forests not managed by Government— | | | | | | |
| (a).—Duty on foreign timber and other forest produce ... | .. | ... | ... | ... | ... | ... |
| (b).—Revenue from shared and private forests .. | .. | ... | ... | ... | ... | ... |
| V.—Rent of leased Forests and payments to shareholders in Forests managed by Government ... | 251 | 251 | ... | ... | ... | ... |
| VI.—Live Stock, Stores, Tools and Plant— | | | | | | |
| (a). Purchase of cattle ... ... | 2,247 | 1,051 | ... | 1,196 | ... | ... |
| (b). Food and keep of cattle ... ... | 4,944 | 4,617 | .. | 327 | ... | ... |
| (c). Stores, Tools and Plant ... ... | 3,947 | 6,141 | 2,194 | ... | ... | ... |
| Total ... | 11,138 | 11,809 | 2,194 | 1,523 | 671 | ... |
| VII.—Commutations and buildings— | | | | | | |
| (a) Roads and Bridges ... ... | 990 | 1,888 | 898 | ... | ... | ... |
| (b). Buildings ... ... ... | 2,432 | 4,132 | 1,700 | ... | ... | ... |
| (c). Other works ... ... | 443 | 71 | .. | 372 | ... | ... |
| Total ... | 3,865 | 6,091 | 2,598 | 372 | 2,226 | ... |
| VIII.—Demarcation, improvement and extension of Forests— | | | | | | |
| (a). Demarcation ... ... | 10,618 | 9,493 | ... | 1,125 | ... | ... |
| (b). Compensation for land and rights ... | 276 | 177 | ... | 99 | ... | ... |
| (c). Surveys and working plans ... ... | 12,384 | 25,972 | 13,588 | ... | ... | ... |
| (d). Plantations ... ... | 448 | 469 | 21 | ... | ... | ... |
| (e). Protection from fire ... ... | 28,436 | 33,342 | 4,906 | ... | ... | ... |
| (f). Other works ... ... | 2,583 | 2,974 | 391 | ... | ... | ... |
| Total ... | 54,745 | 72,427 | 18,906 | 1,224 | 17,682 | ... |
| IX.—Miscellaneous— | | | | | | |
| (a). Refunds ... ... ... | 390 | 973 | 583 | ... | ... | ... |
| (b). Law charges ... ... | 35 | 42 | 7 | ... | ... | ... |
| (c). Other charges ... ... | 3,182 | 3,804 | 622 | ... | ... | ... |
| Total ... | 3,607 | 4,819 | 1,212 | ... | 1,212 | ... |
| Total A.—Conservancy and Works ... | 2,40,800 | 2,33,638 | 42,241 | 49,403 | ... | 7,162 |

| Budget Heads. | Expenditure, 1888-89. | Expenditure, 1889-90. | Difference. | | Net Increase or Decrease under each Major Budget Head. | |
|---|---|---|---|---|---|---|
| | | | Increase. | Decrease. | Increase. | Decrease. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Brought forward Total A Conservancy and Works ... | 2,40,800 | 2,33,638 | 42,241 | 49,403 | ... | 7,162 |
| B.—ESTABLISHMENT. | | | | | | |
| I.—Salaries— | | | | | | |
| (a).—Conservators ... ... | 19,985 | 22,739 | 2,754 | ... | ... | ... |
| (b).—Superior Officers ... ... | 1,24,955 | 1,29,250 | 4,295 | ... | ... | ... |
| (c).—Subordinate Forest and Depôt Establishments. | 1,57,484 | 1,70,357 | 12,874 | ... | ... | ... |
| (d).—Office Establishments ... ... | 19,054 | 23,542 | 4,488 | ... | ... | ... |
| (e).—Deputation and special allowances ... | ... | 18 | 18 | ... | ... | ... |
| Total ... | 3,21,477 | 3,45,906 | 24,429 | ... | 24,429 | ... |
| II.—Travelling allowances | | | | | | |
| (a).—Conservators .. ... | 1,216 | 2,318 | 1,102 | ... | ... | ... |
| (b).—Superior Officers ... ... | 16,629 | 17,249 | 620 | ... | ... | ... |
| (c).—Subordinate Forest and Depôt Establishments. | 940 | 1,312 | 372 | ... | ... | ... |
| (d).—Office Establishments ... ... | 968 | 1,190 | 222 | ... | ... | ... |
| Total ... | 19,753 | 22,069 | 2,316 | ... | 2,316 | ... |
| III.—Contingencies— | | | | | | |
| (a).—Stationery ... ... ... | 215 | 143 | ... | 72 | ... | ... |
| (b).—Carriage of tents and records .. | 6,687 | 7,538 | 851 | ... | ... | ... |
| (c).—Rents, Rates and Taxes ... ... | 2,078 | 2,295 | 217 | ... | ... | ... |
| (d).—Pay of Police Guards ... ... | ... | ... | ... | ... | ... | ... |
| (e).—Official Postage ... .. | 4,462 | 4,448 | ... | 14 | ... | ... |
| (f).—Sundries ... ... ... | 4,127 | 4,692 | 565 | ... | ... | ... |
| Total .. | 17,569 | 19,116 | 1,633 | 86 | 1,547 | ... |
| Total B, Establishments ... | 3,58,799 | 3,87,091 | 28,378 | 86 | 28,292 | ... |
| Grand Total of Expenditure ... | 5,99,599 | 6,20,729 | 70,619 | 49,489 | 21,130 | ... |

120. It has already been stated that Departmental timber operations were curtailed during the year. The following table exhibits a comparison between the figures expressing receipts, charges and surplus for the past two years in relation to timber and other produce removed from the Forests by Government Agency :—

| | 1888-89. | | 1889-90. | |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. |
| Receipts ... ... | 1,60,374 | | 1,04,051 | |
| Charges ... ... | 98,508 | | 30,695 | |
| Surplus ... .. | ... | 61,866 | ... | 73,356 |

The above comparison would show that, though receipts from sales effected during the year had fallen by 35 per cent, or were less by Rs. 56,323 than those in the previous year, the expenditure at the same time had also fallen by 69 per cent or Rs. 67,813, leaving as a net result a surplus over expenditure of Rs. 11,490, or by 7 per cent greater than was the corresponding surplus for the

year 1888-89. The failure to dispose of a larger quantity of timber is principally due to the large stock of private timber still lying in the local markets, whereby prices have come down considerably, and there was practically no demand. What timber was disposed of during the year was supplied to other departments, and a few logs and sawn scantling pieces of teak sold to the general public. The partial failure of the myrabolam crop had also lessened the efforts of the department in that direction. The demand for timber by public departments was principally for teak sleepers, both broad and narrow gauge, the latter for working the Colliery at Warora; also some pit-props supplied to the Manager of those works.

Before closing this section of the year's report on the financial aspects of the department, it will suffice to state here that the difference in value, as per Form No. 57, of timber stock on hand at commencement and close of the year 1889-90, was only Rs. 1,942 against the year. This would show that the stock sold during the year was almost replaced by material worked out and brought to sale depôts by departmental agency during the year.

121. It now remains to contrast the receipts, expenditure and surplus of the Department for the past two years by Forest Divisions The statement below effects this object for the several Divisions apportioned to each Conservator's Circle:—

| Divisions. | Receipts | | Charges. | | Surplus | | Deficit. | |
|---|---|---|---|---|---|---|---|---|
| | 1888-89. | 1889-90. | 1888 89 | 1889-90. | 1888-89 | 1889 90. | 1888-89. | 1889-90. |
| SOUTHERN CIRCLE. | Rs. | Rs | Rs. | Rs. | Rs | Rs. | Rs. | Rs. |
| Direction .. | 1,642 | 2,929 | 54,508 | *70,921 | | | 52,866 | 67,992 |
| Balaghat ... | 63,981 | 71,235 | 25,759 | 24,246 | 38,222 | 46,989 | ... | ... |
| Bhandara ... | 51,859 | 54,162 | 18,269 | 23,319 | 33,590 | 30,843 | ... | ... |
| Bilaspur ... | 23,134 | 23,039 | 12,196 | 13,239 | 10,638 | 9,800 | ... | ... |
| Chanda | 1,93,417 | 1,82,186 | 96,050 | 89,017 | 97,367 | 93,169 | ... | .. |
| Chhattisgarh | 1,02,749 | 78,699 | 42,358 | 46,906 | 60,391 | 31,793 | . | .. |
| Chhindwara ... | 48,311 | 49,477 | 17,947 | 20,948 | 30,394 | 28,529 | . | ... |
| Nagpur Wardha ... | 60,450 | 69,424 | 29,128 | 33,726 | 31,322 | 35,698 | ... | . |
| Sambalpur ... | 15,609 | 14,569 | 9,304 | 11,397 | 6,305 | 3,172 | ... | .. |
| Seoni | 77,835 | 72,022 | 30,093 | 28,122 | 47,742 | 43,900 | | ... |
| Total . | 6,39,017 | 6,17,742 | 3,35,912 | 3,61,841 | 3,03,105 | 2,55,901 | ... | ... |
| NORTHERN CIRCLE. | | | | | | | | |
| Betul .. | 58,745 | 62,202 | 25,736 | 28,957 | 33,009 | 33,245 | . | .. |
| Damoh .. | 60,135 | 47,868 | 14,457 | 17,028 | 45,678 | 30,840 | ... | . |
| Hoshangabad . | 98,702 | 96,696 | 43,830 | 43,139 | 54,872 | 53,557 | ... | ... |
| Jubbulpore ... | 26,827 | 26,279 | 14,793 | 26,793 | 12,034 | .. | .. | 514 |
| Mandla ... | 1,35,813 | 1,43,183 | 70,122 | 59,566 | 56,391 | 83,617 | .. | . |
| Narsinghpur .. | 21,600 | 26,215 | 8,525 | 10,264 | 13,075 | 15,951 | | ... |
| Nimar ... | 76,893 | 76,244 | 45,210 | 42,462 | 31,683 | 33,782 | .. | ... |
| Saugor ... | 62,673 | 59,752 | 31,714 | 30,679 | 30,959 | 29,073 | ... | ... |
| Total .. | 5,41,388 | 5,38,439 | 2,63,087 | 2,58,888 | 2,77,701 | 2,79,551 | ... | ... |
| Grand Total ... | 11,80,405 | 11,56,181 | 5,99,599 | 6,20,729 | 5,80,806 | 5,35,452 | .. | ... |

* Includes all Direction charges inclusive of salaries of a Second Conservator and a Working Plans Officer.

Southern Circle.

In six out of the eleven Forest Divisions the revenue for the past year was better than the receipts for the year previous. In four out of the remaining five receipts were less, while in Bilaspur the forest revenue was practically the same in both years. The total receipts in this Circle for the two years is contrasted below :—

| | | Rs. |
|---|---|---|
| Receipts in 1888-89 | ... | 6,39,017 |
| Do. in 1889-90 | ... | 6,17,742 |
| Difference less | ... | 21,275 |

The Forest Divisions which show increased revenue for the year 1889-90 are the Direction Division Rs. 1,287, Balaghat Rs 7,254, Bhandara Rs. 2,303, Chhindwara Rs. 1,136, and the Nagpur-Wardha Rs. 8,974—total Rs. 20,954 : while the Forest Divisions in which revenue was less than in the preceding year, are Chanda Rs. 11,231, Raipur Rs. 24,050, Sambalpur Rs. 1,040, and Sconi Rs. 5,813—total Rs. 42,134. The reason why there was less revenue in Chanda and Raipur was because of less timber, worked out departmentally, having been sold. In the case of the remaining two Divisions the reduced income is traceable to less produce having been removed from the forests by consumers and purchasers.

Northern Circle.

In three out of the eight Forest Divisions the receipts for the past year were better than in the year previous. The largest increase was in Mandla by value of sleepers sold in the previous year and of Myrabolams worked out departmentally, and receipts from grazing * and sale of grass. In four out of the five remaining Divisions the revenue for the year was less than in the previous year, while in the case of Nimar the revenue for the two years under comparison was practically the same.

The total receipts in this circle for the two years is contrasted below :—

| | | Rs. |
|---|---|---|
| Receipts in 1888-89 | ... | 5,41,388 |
| Do in 1889-90 | ... | 5,38,439 |
| Difference less | ... | 2,949 |

The Forest Divisions which show increased revenue for the year 1889-90 are Betul Rs. 3,457, Mandla Rs. 7,370 and Narsingpur Rs. 4,615—total Rs. 15,442 : while the Divisions which show less revenue than in the year previous are Damoh Rs. 12,267 due to outstandings for the year on account of a Lac contract, Hoshangabad Rs. 2,006, and Saugor Rs. 2,921 due to the ordinary fluctuations of demand for forest produce. The total sum by which these Divisions are in deficit is Rs. 17,194.

122. The following remarks refer to a comparison of total expenditure in all Divisions. The comparison is carried out between the audited figures for the past two years.

* Grazing Licenses for that year were given out for 15 months instead of 12, in order to secure future uniformity of period—the latter extending from 1st July to 30th June.

Southern Circle.

The Forest Divisions which have exceeded their expenditure as compared with that in the previous year are seven out of the eleven, while only three show expenditure less than in 1888-89.

There are two principal reasons why expenditure in the Direction, Bhandara, Bilaspur, Raipur, Chhindwara, Nagpur-Wardha and Sambalpur Divisions has been exceeded.

In the first place Bhandara and Raipur each stand debited with their own portion of the costs of Forest surveys which have been carried out in those divisions; and secondly, the higher charges on account of sanctioned Establishments, which charges have raised the expenditure in all Forest Divisions specified above.

Expenditure in Chanda was less by Rs. 7,033 owing chiefly to a less quantity of timber having been worked out departmentally, while in Seoni and Balaghat the year's expenditure was less by an aggregate of Rs. 3,484 than in 1888-89. The total expenditure in this circle in the two years is contrasted below :—

| | | | Rs. |
|---|---|---|---|
| In 1888-89 | ... | ... | 3,35,912 |
| In 1889-90 | ... | ... | 3,61,841 |
| | Difference more... | | 25,929 |

Northern Circle.

Four out of the eight Forest Divisions show excess expenditure over that of previous year, while the remaining four show a less expenditure, thus :—

In Jubbulpore the expenditure of the year exceeds the receipts by Rs. 514, thus causing a deficit to that amount appearing in the accounts of that Division; but in explanation of this, the year's accounts have been debited with the cost of the Forest Survey, while small variations in the cost of other works and an increase in B charges which, if added to the former, fully explain why there was a larger expenditure in this Division than in the year previous.

In Betul the increase of Rs. 3,221 is fully explained by the larger temporary Revenue Establishment employed during the year. In the remaining two Divisions the differences are small and call for no special explanation.

Of the Divisions which show less expenditure than the year previous, the case of Mandla only calls for explanation here. In this Division the expenditure compared with the year previous was less by Rs. 19,856, and was, as in the case of Chanda, principally due to the curtailment of departmental timber operations.

The total expenditure for the past two years in this circle is contrasted below :—

| | | | Rs. |
|---|---|---|---|
| In 1888-89 | ... | ... | 2,63,687 |
| In 1889-90 | ... | ... | 2,58,888 |
| | Difference less | ... | 4,799 |

123. The statement below gives in tabular form the figures for a comparison of charges between the accounts for the past two years for all Forest Divisions in the two circles. The new Conservator's pay and travelling allowances and those of the Working Plans Officer have, however, been debited to the Direction Division, Southern Circle, which now shows a deficit of Rs. 67,992 as compared with a deficit in the previous year of Rs. 52,866:—

| A. Expenditure. | Expenditure during 1888-89. | Expenditure during 1889-90. | Difference. Increase. | Difference. Decrease. | B. Expenditure. | Expenditure during 1888-89. | Expenditure during 1889-90. | Difference. Increase. | Difference. Decrease. |
|---|---|---|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| SOUTHERN CIRCLE. | | | | | SOUTHERN CIRCLE. | | | | |
| Direction Division... | 14,777 | 20,727 | 5,950 | ... | Direction Division... | 39,731 | 50,194 | 10,463 | ... |
| Balaghat do. ... | 14,884 | 12,813 | ... | 2,071 | Balaghat do. ... | 10,874 | 11,433 | 559 | ... |
| Bhandara do. ... | 5,686 | 8,698 | 3,012 | ... | Bhandara do. ... | 12,583 | 14,622 | 2,039 | ... |
| Bilaspur do. ... | 4,059 | 5,593 | 1,534 | ... | Bilaspur do. ... | 8,436 | 7,646 | ... | 790 |
| Chanda do. ... | 57,358 | 43,627 | ... | 13,731 | Chanda do. ... | 38,691 | 45,390 | 6,699 | ... |
| Chhindwara do. ... | 4,757 | 5,690 | 933 | ... | Chhindwara do. ... | 13,190 | 15,257 | 2,067 | ... |
| Nagpur-Wardha do. | 8,050 | 8,819 | 769 | ... | Nagpur-Wardha do. | 21,079 | 24,907 | 3,828 | ... |
| Raipur do. ... | 17,295 | 25,535 | 8,240 | ... | Raipur do. ... | 25,064 | 21,372 | ... | 3,692 |
| Seoni do. ... | 7,622 | 6,577 | ... | 1,045 | Seoni do. ... | 22,471 | 21,545 | ... | 926 |
| Sambalpur do. ... | 2,247 | 3,186 | 939 | ... | Sambalpur do. ... | 7,057 | 8,211 | 1,154 | ... |
| Total Southern Circle ... | 1,36,735 | 1,41,265 | 21,377 | 16,847 | Total Southern Circle ... | 1,99,176 | 2,20,577 | 26,809 | 5,408 |
| | | Net | Increase. | 4,530 | | | Net | Increase. | 21,401 |
| NORTHERN CIRCLE. | | | | | NORTHERN CIRCLE. | | | | |
| Betul Division... | 8,955 | 11,942 | 2,987 | ... | Betul Division... | 16,781 | 17,016 | 235 | ... |
| Damoh do. ... | 55,49 | 6,020 | 471 | ... | Damoh do. ... | 8,909 | 11,008 | 2,099 | ... |
| Hoshangabad do. ... | 12,917 | 11,706 | ... | 1,211 | Hoshangabad do. ... | 30,912 | 31,432 | 520 | ... |
| Jubbulpore do. ... | 6,801 | 14,864 | 8,063 | ... | Jubbulpore do. ... | 7,991 | 11,929 | 3,938 | ... |
| Mandla do. ... | 46,359 | 24,384 | ... | 21,975 | Mandla do. ... | 33,064 | 35,182 | 2,118 | ... |
| Nimar ... | 11,030 | 12,460 | 1,430 | ... | Nimar do. ... | 34,180 | 30,001 | ... | 4,179 |
| Narsinghpur do. ... | 3,537 | 2,827 | ... | 710 | Narsinghpur do. ... | 4,988 | 7,437 | 2,449 | ... |
| Saugor do. ... | 8,917 | 8,170 | ... | 747 | Saugor do. ... | 22,798 | 22,509 | ... | 289 |
| Total Northern Circle ... | 1,04,065 | 92,373 | 12,951 | 24,643 | Total Northern Circle .. | 1,59,623 | 1,66,514 | 11,359 | 4,468 |
| | | Net | decrease. | 11,692 | | | Net | Increase. | 6,891 |
| Grand Total, Expenditure A. ... | 2,40,800 | 2,33,638 | 34,328 | 41,490 | Grand Total, Expenditure B ... | 3,58,799 | 3,87,091 | 38,168 | 9,876 |
| | | Net | Decrease. | ... 7,162 | | | Net | Increase. | ... 21,120 |

124. It may be seen from Annual Form No. 62 that the Financial Results of the year, classified under the three principal heads for the two Circles together, stand as follows :—

| | Receipts. Rs. | Charges. Rs. |
|---|---|---|
| (*a*). Timber and other produce removed from the forests by Government agency ... .. | 1,04,051 | 56,431 |
| (*b*). Timber and other produce removed by purchasers ... | 10,52,130 | 3,00,090 |
| (*c*). Formation, conservation and improvement of the forests ... | ..... | 2,64,207 |
| Total ... | 11,56,181 | 6,20,728 |

Charges have been increased, under Formation and Improvement, by Rs. 36,186—the Department having been debited with the cost of work done by the Forest Survey Branch in 1888-89. To these charges might now rightly be added a sum of Rs. 57,927-14-10 on account of the cost of a Party of the Imperial Survey of India which worked in the Hoshangabad and Betul Divisions during the same year, and which charges were adjusted in the accounts of the Forest Department for that year, *vide* Comptroller and Auditor-General's letter No. 1509, dated 22nd November 1889, but of which adjustment intimation was received in this office only on 29th idem, long after the Forest Report for 1888-89 had been printed and circulated. These charges have not therefore appeared in the published accounts of the Forest Department.

125. The value of sales effected during the year, and the outstanding and liabilities of the Department at the commencement and close of the year may be seen on reference being made to Annual Form No. 60. The following is an abstract of the entries in that Form :—

| | Rs. |
|---|---|
| The value of sales was .. .. | 11,52,557 |
| (*a*). Deduct net amount due to the Department at commencement of the year ... ... | 19,828 |
| | 11,32,729 |
| (*b*). Add net amount due to the Department at the close of the year ... ... | 16,043 |
| Value of the year's transactions ... | 11,48,772 |

These transactions compared with those in the year previous are less by Rs. 63,050, which, as has already been explained, is in the main due to the fall in the quantity of timber sold during the year 1889-90. The sums outstanding as due to the Department are in the course of realisation, with the exception of one item for Rs. 153-3-6 in the Saugor Division, which is now under reference with the view to sanction being obtained for writing off the amount as irrecoverable.

## CHAPTER VI.

### General Remarks.

126. The Forest Report for the year 1889-90 has been so compiled as to afford ready facility of reference to the year's statistics and accounts, as these now relate to the two Circles into which the old Provincial charge has been divided. This arrangement, it is expected, will afford a starting point, as it were, for the two Conservators from which to proceed independently of each other in compiling their next Annual Forest Reports.

127. The past year has been an extremely unhealthy one for the Forest Staff. Cholera and fever together having made sad inroads into its effective members, amongst whom several deaths had occurred in consequence of the generally unhealthy conditions which prevailed.

*Services of Officers.*

128. At the request of Colonel vanSomeren, Conservator of Forests, Northern Circle, the names of the two undermentioned officers of his Circle are herein recorded whose services during the past year merit recognition :—

Mr. W. P. Thomas, Deputy Conservator, Hoshangabad, has held charge of that Division throughout the year. Mr. Thomas' management of his charge has been characterized by the very successful protection of his forests from fire, and the very great interest he has taken in all matters that have appertained to his duties.

Mr. G. H. Foster was in charge of the Chanda Division during the first four months of the year; since then he has held charge of the Nimar Division. Mr. Foster has an immense capacity for work and organization. His services in the Chanda Division were invaluable. He has since his transfer been most successful in the management of the Nimar Division.

129. The officers attached to the Southern Circle have, as a rule, done well during the year. The services of the following, however, merit recognition :—

Dr. E. Dobbs, Deputy Conservator, Seoni Division, has managed the ordinary duties of his charge with fair success.

Mr. H. Moore, Officiating Deputy Conservator, in charge of the Chhindwara Division, has worked with much success. Mr. Moore has organized his executive and protective establishments in a manner most creditable to himself and to the successful protection of his forests.

Mr. H. B. Anthony, Officiating Deputy Conservator, Raipur, is an energetic officer. He was for part of the year in charge of the Bilaspur Division, and for a short time held charge of the Bilaspur and Raipur Divisions together. Mr. Anthony has not been successful with his arrangements for fire protection.

Mr. A. E. Lowrie, Assistant Conservator of Forests, in charge of the Chanda Division, relieved Mr. Foster in July. Mr. Lowrie has shown considerable skill and ability in the successful management of the extensive charge over which he has been placed.

Mr. A. Watson, Assistant Conservator, in charge of the Nagpur-Wardha Division, although only in charge for a few months at the latter end of the year, has during that time pushed on to completion several works which his predecessors had neglected to carry out. Mr. Watson's services while attached to the Direction Division merit record and favourable mention as a painstaking and hard-working officer.

Mr. A. F. Gradon, Assistant Conservator, Bhandara Division, has managed his charge with fair success.

Mr. Mahomed Ghouse, Sub-Assistant Conservator, has been well reported by the Deputy Commissioner of Balaghat. Mr. Mahomed Ghouse is an intelligent, hard-working and zealous Forest Officer.

R. H. E. THOMPSON,

Offg. Conservator of Forests,

Southern Circle.

BENGAL SECRETARIAT LIBRARY.

# STATEMENTS.

## FOREST DEPARTMENT, CENTRAL PROVINCES.

### Area of Reserved Forests for 1889-90.

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| *Southern Circle.* | | | | | | | | | | | |
| Nagpur ... | East Pench ... | Nagpur District. | Sylaree Khapa ... | 42,580 | 67 | ... | ... | 42,580 | 67 | | |
| | | | Gurra ... | 5,372 | 8 | ... | ... | 5,372 | 8 | | |
| | | | Saoura ... | 5,042 | 8 | ... | ... | 5,042 | 8 | | |
| | | | Dongertal ... | 3,271 | 5 | . | ... | 3,271 | 5 | | |
| | | | Ghorghat .. | 4,682 | 7 | ... | .. | 4,682 | 7 | | |
| | | | Lodha ... | 4,430 | 7 | ... | ... | 4,430 | 7 | | |
| | | | Pindarpar ... | 3,895 | 6 | ... | ... | 3,895 | 6 | | |
| | | | Umri ... | 2,533 | 4 | | ... | 2,533 | 4 | | |
| | | | Korwa .. | 5,521 | 9 | ... | ... | 5,521 | 9 | | |
| | | | Chikmapur .. | 8,859 | 14 | ... | ... | 8,859 | 14 | | |
| | | | Sabye ... | 5,985 | 9 | ... | ... | 5,985 | 9 | | |
| | | | Patora ... | 4,285 | 7 | .. | ... | 4,285 | 7 | | |
| | | | Chorbowli ... | 6,601 | 10 | ... | ... | 6,601 | 10 | | |
| | | | Ambajhiri . | 4,934 | 8 | ... | ... | 4,934 | 8 | | |
| | | | Deori .. | 3,714 | 6 | ... | ... | 3,714 | 6 | | |
| | | | Ghooksi ... | 7,143 | 11 | ... | ... | 7,143 | 11 | | |
| | | | Powni ... | 2,262 | 4 | . | ... | 2,262 | 4 | | |
| | | | Kurpura ... | 5,483 | 9 | ... | ... | 5,483 | 9 | | |
| | | | Ghoti ... | 3,278 | 5 | ... | ... | 3,278 | 5 | | |
| | | | Chichdah ... | 3,210 | 5 | ... | ... | 3,210 | 5 | | |
| | | | Nahibe ... | 3,595 | 6 | ... | ... | 3,595 | 6 | | |
| | | | Ranjain ... | 5,664 | 9 | ... | ... | 5,664 | 9 | | |
| | | | Total ... | 1,42,339 | 222 | ... | ... | 1,42,339 | 222 | | |
| | West Pench ... | Nagpur District. | Nurhar ... | 42,880 | 67 | ... | ... | 42,880 | 67 | | |
| | | | Ambajhiri ... | 3,805 | 6 | ... | ... | 3,805 | 6 | | |
| | | | Siladevi ... | 2,804 | 4 | ... | ... | 2,804 | 4 | | |
| | | | Mundipar ... | 3,391 | 5 | ... | ... | 3,391 | 5 | | |
| | | | Sourdara ... | 1,574 | 2 | ... | ... | 1,574 | 2 | | |
| | | | Paindhri .. | 3,676 | 6 | ... | ... | 3,676 | 6 | | |
| | | | Mohgaon ... | 849 | 1 | ... | ... | 849 | 1 | | |
| | | | Richara ... | 3,349 | 5 | ... | ... | 3,349 | 5 | | |
| | | | Maharkund ... | 3,674 | 6 | ... | ... | 3,674 | 6 | | |
| | | | Kanernath ... | 7,257 | 11 | ... | ... | 7,257 | 11 | | |
| | | | Total ... | 73,259 | 114 | ... | ... | 73,259 | 114 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Nagpur | ... | Nagpur District. | Ambajhiri | ... | 1,895 | 3 | ... | ... | 1,895 | 3 |
| | | | Daigeon | . | 1,639 | 3 | .. | ... | 1,639 | 3 |
| | | | Mandwa | ... | 3,202 | 5 | ... | ... | 3,202 | 5 |
| | | | Mohgaon | ... | 2,777 | 4 | ... | ... | 2,777 | 4 |
| | | | Khappa Nipani | ... | 2,154 | 3 | ... | ... | 2,154 | 3 |
| | | | Kaergondi | .. | 2,650 | 4 | ... | ... | 2,650 | 4 |
| | | | Deori | ... | 3,233 | 5 | ... | ... | 3,233 | 5 |
| | | | Jenugarh | ... | 2,147 | 3 | ... | ... | 2,147 | 3 |
| | | | Semulgarh | ... | 2,995 | 5 | ... | .. | 2,995 | 5 |
| | | | Junapani | ... | 1,370 | 2 | ... | ... | 1,370 | 2 |
| | | | Total | ... | 24,062 | 38 | ... | ... | 24,062 | 38 |
| Katol | ... | Nagpur District. | Chorkaira | ... | 3,625 | 6 | .. | ... | 3,625 | 6 |
| | | | Kalalgondri | ... | 2,089 | 3 | . | ... | 2,089 | 3 |
| | | | Arumbhi | ... | 2,740 | 4 | ... | .. | 2,740 | 4 |
| | | | Ghogra | ... | 2,496 | 4 | ... | ... | 2,496 | 4 |
| | | | Pandradekre | ... | 2,646 | 4 | ... | ... | 2,646 | 4 |
| | | | Mohgaon | . | 3,220 | 5 | ... | ... | 3,220 | 5 |
| | | | Kurki | .. | 1,745 | 3 | ... | ... | 1,745 | 3 |
| | | | Palgondi | .. | 1,477 | 2 | ... | ... | 1,477 | 2 |
| | | | Kaidarpur | .. | 4,199 | 7 | ... | ... | 4,199 | 7 |
| | | | Sonpur | .. | 2,173 | 3 | ... | .. | 2,173 | 3 |
| | | | Kalmonda | ... | 3,040 | 5 | ... | ... | 3,040 | 5 |
| | | | Katlabori | .. | 3,247 | 5 | ... | ... | 3,247 | 5 |
| | | | Kundi | ... | 2,009 | 3 | ... | ... | 2,009 | 3 |
| | | | Loubara | ... | 2,275 | 4 | ... | ... | 2,275 | 4 |
| | | | Bazargaon | ... | 1,565 | 2 | ... | ... | 1,565 | 2 |
| | | | Dotewara | ... | 1,509 | 2 | ... | ... | 1,509 | 2 |
| | | | Ghogri | .. | 2,440 | 4 | ... | ... | 2,440 | 4 |
| | | | Total | ... | 42,495 | 66 | ... | ... | 42,495 | 66 |
| Umrer | ... | Nagpur District. | Biwarpur | .. | 1,871 | 3 | ... | ... | 1,871 | 3 |
| | | | Jamlapani | ... | 1,651 | 3 | ... | .. | 1,651 | 3 |
| | | | Kohra | ... | 1,976 | 3 | ... | ... | 1,976 | 3 |
| | | | Bori Mazra | . | 6,723 | 11 | . | ... | 6,723 | 11 |
| | | | Alagondi | . | 4,856 | 8 | ... | ... | 4,856 | 8 |
| | | | Dighori | .. | 4,727 | 8 | . | ... | 4,727 | 8 |
| | | | Salibhutti | .. | 3,897 | 6 | ... | .. | 3,897 | 6 |
| | | | Bobijhiri | .. | 3,545 | 6 | ... | ... | 3,545 | 6 |
| | | | Chanichera | ... | 2,790 | 4 | ... | ... | 2,790 | 4 |
| | | | Jamkoli | ... | 5,776 | 9 | .. | ... | 5,776 | 9 |
| | | | Dhamangaon | ... | 4,220 | 7 | . | ... | 4,220 | 7 |
| | | | Karandla | .. | 2,212 | 3 | ... | ... | 2,212 | 3 |
| | | | Banbori | .. | 4,488 | 7 | ... | ... | 4,488 | 7 |
| | | | Total | .. | 48,730 | 76 | .. | .. | 48,730 | 76 |
| | | | TOTAL FOR DIVISION.. | | 330,885 | 517 | .. | ... | 330,885 | 517 |

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| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Wardha ... | Ashti .. | Wardha ... | Sutharpur ... | 2,104 | 3 | ... | ... | 2,104 | 3 | | |
| | | | Panchola ... | 3,211 | 5 | .. | ... | 3,211 | 5 | | |
| | | | Thar ... | 1,074 | 2 | ... | ... | 1,074 | 2 | | |
| | | | Manikwara .. | 2,450 | 4 | ... | ... | 2,450 | 4 | | |
| | | | Mowhiri ... | 3,273 | 5 | ... | ... | 3,273 | 5 | | |
| | | | Bailgaon ... | 2,169 | 3 | ... | ... | 2,169 | 3 | | |
| | | | Ajnodi ... | 2,544 | 4 | ... | ... | 2,544 | 4 | | |
| | | | Sirpotni ... | 1,498 | 2 | ... | ... | 1,498 | 2 | | |
| | | | Thurora .. | 2,210 | 3 | ... | ... | 2,210 | 3 | | |
| | | | Total ... | 20,533 | 32 | ... | ... | 20,533 | 32 | | |
| | Arvi ... | Wardha .. | Panjra ... | 2,544 | 4 | ... | ... | 2,544 | 4 | | |
| | | | Khanwari ... | 778 | 1 | ... | ... | 778 | 1 | | |
| | | | Sarunpori ... | 2,846 | 4 | ... | ... | 2,846 | 4 | | |
| | | | Pachoor ... | 3,285 | 5 | ... | ... | 3,285 | 5 | | |
| | | | Dhamakund ... | 1,000 | 2 | ... | ... | 1,000 | 2 | | |
| | | | Ranwari ... | 2,458 | 4 | ... | ... | 2,458 | 4 | | |
| | | | Linga ... | 800 | 1 | ... | ... | 800 | 1 | | |
| | | | Bramanwara ... | 3,850 | 6 | ... | ... | 3,850 | 6 | | |
| | | | Ladgurh ... | 2,256 | 4 | ... | ... | 2,256 | 4 | | |
| | | | Sehli ... | 2,185 | 3 | ... | ... | 2,185 | 3 | | |
| | | | Sindiwhiri | 943 | 1 | . | ... | 943 | 1 | | |
| | | | Bangrapur ... | 1,235 | 2 | ... | ... | 1,235 | 2 | | |
| | | | Dhuga ... | 2,902 | 5 | . . | ... | 2,902 | 5 | | |
| | | | Amgaon ... | 1,000 | 2 | ... | ... | 1,000 | 2 | | |
| | | | Ridhora ... | 1,270 | 2 | ... | ... | 1,270 | 2 | | |
| | | | Borkhairi ... | 1,007 | 2 | ... | ... | 1,007 | 2 | | |
| | | | Madna ... | 1,313 | 2 | ... | ... | 1,313 | 2 | | |
| | | | Malaigaon ... | 2,000 | 3 | ... | ... | 2,000 | 3 | | |
| | | | Jamnira ... | 2,841 | 5 | ... | ... | 2,841 | 5 | | |
| | | | Dhamkund ... | 3,128 | 6 | ... | ... | 3,128 | 6 | | |
| | | | Baidhona ... | 1,643 | 3 | ... | ... | 1,643 | 3 | | |
| | | | Gumgaon ... | 3,163 | 5 | ... | ... | 3,163 | 5 | | |
| | | | Kinhola ... | 2,578 | 4 | ... | ... | 2,578 | 4 | | |
| | | | Linga ... | 3,697 | 5 | ... | ... | 3,697 | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Panjra ... | 3,646 | 5 | ... | ... | 3,646 | 5 |
| | | | Bramanwara ... | 1,907 | 3 | ... | ... | 1,907 | 3 |
| | | | Ladgurh ... | 515 | 1 | ... | ... | 515 | 1 |
| | | | Dhuga ... | 206 | ... | ... | ... | 206 | ... |
| | | | Sawal ... | 3,877 | 6 | ... | ... | 3,877 | 6 |
| | | | Haiti Kundi ... | 3,023 | 5 | ... | ... | 3,023 | 5 |
| | | | Rahti ... | 3,665 | 6 | ... | ... | 3,665 | 6 |
| | | | Dhanapur ... | 4,319 | 7 | ... | ... | 4,319 | 7 |
| | | | Dhanoli ... | 5,096 | 8 | ... | ... | 5,096 | 8 |
| | | | Guramsur ... | 3,723 | 6 | ... | ... | 3,723 | 6 |
| | | | Manholi ... | 4,080 | 6 | ... | ... | 4,080 | 6 |
| | | | Saleye ... | 1,392 | 2 | ... | ... | 1,392 | 2 |
| | | | Amgaon ... | 815 | 1 | ... | ... | 815 | 1 |
| | | | Malaigaon ... | 2,164 | 3 | ... | ... | 2,164 | 3 |
| | | | Miragsur ... | 6,035 | 9 | ... | ... | 6,035 | 9 |
| | | | Dahegaon ... | 1,585 | 2 | ... | ... | 1,585 | 2 |
| | | | Total ... | 96,770 | 151 | ... | ... | 96,770 | 151 |
| | Girur ... | | Nahni ... | 1,892 | 3 | ... | ... | 1,892 | 3 |
| | | | Siwanphol .. | 910 | 1 | ... | ... | 910 | 1 |
| | | | Mohgaon ... | 1,244 | 2 | ... | ... | 1,244 | 2 |
| | | | Mangrul ... | 1,984 | 3 | ... | ... | 1,984 | 3 |
| | | | Thargaon .. | 3,516 | 5 | .. | .. | 3,516 | 5 |
| | | | Khaike ... | 1,185 | 2 | ... | ... | 1,185 | 2 |
| | | | Total ... | 10,731 | 17 | ... | ... | 10,731 | 17 |
| | | | TOTAL FOR DIVISION... | 128,034 | 200 | ... | ... | 128,034 | 200 |
| Bhandara ... | Bawanthari ... | Bhandara ... | Bawanthari (north) .. | 12,287 | 19 | ... | ... | 12,287 | 19 |
| | | | Do. (south) ... | 48,800½ | 76 | ... | ... | 48,800½ | 76 |
| | | | Chandpur (north) ... | 4,725½ | 7 | ... | ... | 4,725½ | 7 |
| | | | Do. (south) .. | 15,545 | 24 | ... | ... | 15,545 | 24 |
| | | | Kanhargaon ... / Antra ... | 2,177½ | 3 | ... | ... | 2,177½ | 3 |
| | | | Musalkhapa ... | 96 | ... | ... | ... | 96 | ... |
| | | | Gurrah (north) ... / Do. (south) ... | 1,583 | 2 | ... | ... | 1,583 | 2 |
| | | | Kapurwhihiri ... | 1,122 | 2 | ... | ... | 1,122 | 2 |
| | | | Mohgaon ... | 2,131 | 3 | ... | ... | 2,131 | 3 |
| | | | Phulchar ... | 1,456 | 2 | ... | ... | 1,456 | 2 |
| | | | Chickla ... | 3,467½ | 5 | ... | ... | 3,467½ | 5 |
| | | | Pawnara ... | 438 | 1 | .. | ... | 438 | 1 |
| | | | Ambagurh ... | 640 | 1 | ... | ... | 640 | 1 |
| | | | Total ... | 94,469 | 148 | ... | ... | 94,469 | 148 |

ANNUAL FORM No. 49.—[*Prescribed*]—(contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Bhandara (contd.) | Gaikhuri ... | Bhandara .. | Gaikhuri ... | 76,092 | 119 | ... | ... | 76,092 | 119 | | |
| | | | Gongle ... | 1,196 | 2 | ... | ... | 1,196 | 2 | | |
| | | | Dudhara ... | 10,044 | 16 | ... | ... | 10,044 | 16 | | |
| | | | Matora ... | 8,767 | 14 | 33 | ... | 8,800 | 14 | No. 3903, dated 27th June 1889. | |
| | | | Khapsa ... | 650 | 1 | ... | ... | 650 | 1 | | |
| | | | Mahka ... | 1,084 | 2 | ... | ... | 1,084 | 2 | | |
| | | | Parkabori ... | 15,690 | 25 | ... | 209 | 15,481 | 24 | No. 6651, dated 13th Novr. 1889. | |
| | | | Koduhli ... | 625 | 1 | ... | .. | 625 | 1 | | |
| | | | Wakal ... | 1,120 | 2 | ... | ... | 1,120 | 2 | | |
| | | | Serati ... | 9,805 | 15 | ... | ... | 9,805 | 15 | | |
| | | | Rampuri ... | 3,127 | 5 | ... | ... | 3,127 | 5 | | |
| | | | Waregaon ... | 665 | 1 | ... | | 665 | 1 | | |
| | | | Pathri ... | 500 | 1 | ... | ... | 500 | 1 | | |
| | | | Mohka ... | 615 | 1 | ... | ... | 615 | 1 | | |
| | | | Phutara .. | 900 | 1 | ... | ... | 900 | 1 | | |
| | | | Chargaon ... | 1,420 | 2 | ... | ... | 1,420 | 2 | | |
| | | | Girola ... | 4,492½ | 7 | ... | ... | 4,492½ | 7 | | |
| | | | Total ... | 136,792½ | 214 | 33 | 209 | 136,616½ | 213 | | |
| | Paoni ... | Bhandara ... | Thana ... | 1,075 | 2 | ... | ... | 1,075 | 2 | | |
| | | | Gaidongri .. | 3,200 | 5 | ... | ... | 3,200 | 5 | | |
| | | | Bedarthal .. | 20,745 | 32 | ... | ... | 20,745 | 32 | | |
| | | | Nishti ... | 774 | 1 | ... | ... | 774 | 1 | | |
| | | | Erwa ... | 364 | 1 | ... | ... | 364 | 1 | | |
| | | | Total ... | 26,158 | 41 | ... | ... | 26,158 | 41 | | |
| | Partabgarh ... | Bhandara .. | Gumgáon Pipalgaon ... | 22,544 | 35 | ... | ... | 22,544 | 35 | | |
| | | | Baki Mendki ... | 3,400 | 5 | ... | ... | 3,400 | 5 | | |
| | | | Wagholi ... | 732 | 1 | ... | ... | 732 | 1 | | |
| | | | Gangejhari ... | 384 | 1 | ... | .. | 384 | 1 | | |
| | | | Sangarbi .. | 5,240 | 8 | ... | ... | 5,240 | 8 | | |
| | | | Nawegaon .. | 14,983 | 23 | ... | ... | 14,983 | 23 | | |
| | | | Partabgarh ... | 12,481 | 19 | ... | ... | 12,481 | 19 | | |
| | | | Kelod ... | 15,291 | 24 | ... | ... | 15,291 | 24 | | |
| | | | Singandoh ... | 3,400 | 5 | ... | ... | 3,400 | 5 | | |
| | | | Kodamendhi ... | 531 | 1 | ... | ... | 531 | 1 | | |
| | | | Erandi ... | 350 | 1 | ... | ... | 350 | 1 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Arjuni ... | 802 | 1 | ... | ... | 802 | 1 |
| | | | | Nilaj ... | 6,180 | 10 | ... | ... | 6,180 | 10 |
| | | | | Charbhatti ... | 8,677 | 14 | ... | ... | 8,677 | 14 |
| | | | | Mandeokhal ... | 600 | 1 | ... | ... | 600 | 1 |
| | | | | Total .. | 95,595 | 149 | ... | ... | 95,595 | 149 |
| | | | | TOTAL FOR DIVISION... | 353,014½ | 552 | 33 | 209 | 352,838½ | 551 |
| Chanda ... | Warora ... | Chanda ... | | Warora ... | 103,800 | 162 | ... | ... | 103,800 | 162 |
| | Brahmapuri ... | Do. ... | | Brahmapuri ... | 104,976 | 164 | ... | ... | 104,976 | 164 |
| | Gunjewahi ... | Do. ... | | Gunjewahi ... | 167,008 | 261 | ... | ... | 167,008 | 261 |
| | Moharli ... | Do. ... | | Moharli ... | 269,964 | 422 | ... | .. | 269,964 | 422 |
| | Haveli ... | Do. ... | | Haveli ... | 210,104 | 328 | ... | ... | 210,104 | 328 |
| | Dhaba ... | Do. ... | | Dhaba ... | 151,746 | 237 | ... | ... | 151,746 | 237 |
| | Wairagarh .. | Do. ... | | Wairagarh ... | 156,632 | 251 | ... | ... | 156,632 | 251 |
| | Ghot ... | Do. ... | | Ghot ... | 375,084 | 586 | ... | ... | 375,084 | 586 |
| | Ahiri ... | Ahiri Zamindari in Chanda ... | | Ahiri ... | 81,366 | 127 | ... | ... | 81,366 | 127 |
| | Sironcha ... | Chanda ... | | Sironcha ... | 595,840 | 931 | ... | ... | 5,95,840 | 931 |
| | | | | TOTAL FOR DIVISION ... | 2,216,520 | 3,463 | ... | ... | 2,216,520 | 3,463 |
| Balaghat ... | Raigarh ... | Balaghat ... | | Raigarh (including Dhanisjhor) .. | 107,568 | 168 | ... | ... | 107,568 | 168 |
| | | | | Pandutalao ... | 1,286 | 2 | ... | ... | 1,286 | 2 |
| | | | | Total .. | 108,854 | 170 | ... | ... | 108,854 | 170 |
| | Bhaisanghat ... | Balaghat ... | | Raigarh ... | 7,557 | 12 | ... | ... | 7,557 | 12 |
| | | | | Bhimlat .. | 79,755 | 125 | ... | ... | 79,755 | 125 |
| | | | | Sarekha .. | 21,751 | 34 | ... | ... | 21,751 | 34 |
| | | | | Total ... | 109,063 | 170 | ... | ... | 109,063 | 170 |
| | Sarekha ... | Balaghat ... | | Bhimori ... | 845 | 1 | ... | ... | 845 | 1 |
| | | | | Sarekha ... | 82,832 | 129 | ... | ... | 82,832 | 129 |
| | | | | Man .. | 49,097 | 77 | ... | ... | 49,097 | 77 |
| | | | | Total .. | 132,774 | 207 | ... | ... | 132,774 | 207 |

ANNUAL FORM No. 49.—[*Prescribed*]—(Contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Balaghat (contd.) | Paraswara ... | Balaghat ... | Man ... | 83,248 | 130 | ... | ... | 83,248 | 130 | | |
| | | | Pandratola ... | 4,817 | 7 | ... | ... | 4,817 | 7 | | |
| | | | Thema ... | 7,147 | 11 | ... | ... | 7,147 | 11 | | |
| | | | Murjhar ... | 317 | .. | ... | .. | 317 | ... | | |
| | | | Amoli ... | 1,009 | 2 | ... | ... | 1,009 | 2 | | |
| | | | Bhadukota ... | 532 | 1 | ... | ... | 532 | 1 | | |
| | | | Salebhurri ... | 4,047 | 6 | ... | ... | 4,047 | 6 | | |
| | | | Total ... | 101,117 | 158 | ... | ... | 101,117 | 158 | | |
| | Dhansua ... | Balaghat ... | Titwa ... | 5,268 | 8 | ... | ... | 5,268 | 8 | | |
| | | | Uskal (including Khara and Khurra) ... | 60,297 | 94 | ... | ... | 60,297 | 94 | | |
| | | | Rupjhar ... | 32,121 | 50 | ... | ... | 32,121 | 50 | | |
| | | | Batkari (including Jarla and Bodaljhola) ... | 9,204 | 14 | ... | ... | 9,204 | 14 | | |
| | | | Kera ... | 1,187 | 2 | ... | ... | 1,187 | 2 | | |
| | | | Pipalgaon Temni .. | 512 | 1 | ... | ... | 512 | 1 | | |
| | | | Pipalgaon Nandora ... | 6,081 | 9 | ... | ... | 6,081 | 9 | | |
| | | | Railipaili .. | 1,515 | 2 | ... | ... | 1,515 | 2 | | |
| | | | Dhiri Mangli ... | 21,703 | 34 | ... | ... | 21,703 | 34 | | |
| | | | Total ... | 137,888 | 215 | ... | ... | 137,888 | 215 | | |
| | Sonawani ... | Balaghat ... | Sonawani ... | 43,247 | 68 | ... | ... | 43,247 | 68 | | |
| | | | Lohagri ... | 261 | ... | ... | ... | 261 | ... | | |
| | | | Garaghat ... | 2,779 | 4 | ... | ... | 2,779 | 4 | | |
| | | | Bichwa ... | 4,096 | 6 | ... | ... | 4,096 | 6 | | |
| | | | Bhandamurri ... | 9,723 | 15 | ... | ... | 9,723 | 15 | | |
| | | | Total ... | 60,106 | 94 | ... | ... | 60,106 | 94 | | |
| | | | TOTAL FOR DIVISION ... | 649,802 | 1,015 | ... | ... | 649,802 | 1,015 | | |
| Chhindwara ... | Umrait ... | Chhindwara ... | B Class Forests ... | 116,896 | 183 | ... | ... | 116,896 | 183 | | |
| | Atterwara ... | Do. ... | B Class Forests ... | 73,227 | 114 | ... | ... | 73,227 | 114 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Ambara ... | Do. ... | B Class Forests ... | 120,333 | 188 | ... | ... | 120,333 | 188 | |
| | Sileywanighat ... | Do. ... | Kudbeli ... | 69,050 | 108 | ... | ... | 69,050 | 108 | |
| | | | B Class Forests ... | 9,051 | 14 | ... | ... | 9,051 | 14 | |
| | | | Total ... | 78,101 | 122 | ... | ... | 78,101 | 122 | |
| | Sank ... | Chhindwara ... | Jutikhapa ... | 8,240 | 13 | ... | ... | 8,240 | 13 | |
| | | | Gumtera ... | 26,880 | 42 | ... | ... | 26,880 | 42 | |
| | | | B Class Forests ... | 21,855 | 34 | *6,175 | ... | 28,030 | 44 | * Correction of areas. |
| | | | Total ... | 56,975 | 89 | 6,175 | ... | 63,150 | 99 | |
| | | | TOTAL FOR DIVISION... | 445,532 | 696 | 6,175 | ... | 451,707 | 706 | |
| Seoni ... | Kurai ... | Seoni ... | Kurai ... | 75,250 | 118 | ... | ... | 75,250 | 118 | |
| | | | Agri ... | 33,122 | 52 | ... | ... | 33,122 | 52 | |
| | | | Hathigarh ... | 4,869 | 8 | ... | ... | 4,869 | 8 | |
| | | | Baolu ... | 1,254 | 2 | ... | ... | 1,254 | 2 | |
| | | | Jamrapani ... | 621 | 1 | ... | ... | 621 | 1 | |
| | | | Bormara ... | 1,410 | 2 | ... | ... | 1,410 | 2 | |
| | | | Rumli ... | 681 | 1 | ... | ... | 681 | 1 | |
| | | | Total ... | 117,207 | 183 | ... | ... | 117,207 | 183 | |
| | Gungeyenala ... | Seoni ... | Ganga ... | 68,404 | 107 | ... | ... | 68,404 | 107 | |
| | | | Khawasa ... | 14,424 | 23 | .. | ... | 14,424 | 23 | |
| | | | Total ... | 82,828 | 129 | ... | ... | 82,828 | 129 | |
| | Oogly ... | Seoni ... | Amagarh Pakhara ... | 14,232 | 22 | ... | ... | 14,232 | 22 | |
| | | | Chumri ... | 1,571 | 2 | ... | ... | 1,571 | 2 | |
| | | | Khamaria ... | 1,914 | 3 | ... | ... | 1,914 | 3 | |
| | | | Kariapahar ... | 16,549 | 26 | ... | ... | 16,549 | 26 | |
| | | | Oogly ... | 56,553 | 88 | ... | ... | 56,553 | 88 | |
| | | | Oolutbeyarey ... | 6,450 | 10 | ... | ... | 6,450 | 10 | |
| | | | Class B I, Reserves ... | 3,452 | 5 | ... | ... | 3,452 | 5 | |
| | | | Total ... | 100,721 | 157 | ... | ... | 100,721 | 157 | |
| Seoni ... | Narbada ... | Seoni ... | Narbada ... | 18,474 | 29 | ... | ... | 18,474 | 29 | |
| | | | Rijurwara ... | 3,491 | 5 | ... | ... | 3,491 | 5 | |
| | | | Kakurtalla ... | 2,441 | 4 | ... | ... | 2,441 | 4 | |
| | | | Hirunbhata ... | 2,321 | 4 | ... | ... | 2,321 | 4 | |
| | | | B Class Forests .. | 168,510 | 263 | ... | ... | 1,68,510 | 263 | |
| | | | Total ... | 195,237 | 305 | ... | ... | 195,237 | 305 | |
| | | | TOTAL FOR DIVISION ... | 495,993 | 775 | ... | ... | 495,993 | 775 | |

ANNUAL FORM No. 49.—[*Prescribed*]—(Contd).

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Raipur ... | Balod ... | Raipur ... | Sanjari ... | 23,680 | 37 | ... | ... | 23,680 | 37 | | |
| | | | Balod (north) .. | 37,120 | 58 | ... | . | 37,120 | 58 | | |
| | | | Do. (south) ... | 37,760 | 59 | .. | ... | 37,760 | 59 | | |
| | | | Total ... | 98,560 | 154 | ... | ... | 98,560 | 154 | | |
| | Dhamteri . | Raipur ... | Bheja ... | 34,560 | 54 | ... | ... | 34,560 | 54 | | |
| | | | Dargalen ... | 34,560 | 54 | ... | ... | 34,560 | 54 | | |
| | | | Dhamteri ... | 36,480 | 57 | ... | ... | 36,480 | 57 | | |
| | | | Birjholi ... | 34,560 | 54 | ... | ... | 34,560 | 54 | | |
| | | | Total ... | 140,160 | 219 | ... | .. | 140,160 | 219 | | |
| | Sihawa (north). | Raipur ... | Sarairok ... | 64,000 | 100 | ... | ... | 64,000 | 100 | | |
| | | | Gattasilli ... | 64,000 | 100 | .. | ... | 64,000 | 100 | | |
| | | | Goregaon . ... | 64,000 | 100 | .. | .. | 64,000 | 100 | | |
| | | | Total ... | 192,000 | 300 | ... | ... | 192,000 | 300 | | |
| | Sihawa (south). | Raipur ... | Sankra ... | 88,320 | 138 | ... | ... | 88,320 | 138 | | |
| | | | Belargaon ... | 88,320 | 138 | ... | ... | 88,320 | 138 | | |
| | | | Total ... | 176,640 | 276 | ... | ... | 176,640 | 276 | | |
| | Khalari Sirpur. | Raipur ... | Khalari .. | 35,200 | 55 | ... | ... | 35,200 | 55 | | |
| | | | Maha ... | 35,200 | 55 | ... | ... | 35,200 | 55 | | |
| | | | Sirpur ... | 35,840 | 56 | ... | ... | 35,840 | 56 | | |
| | | | Total .. | 106,240 | 166 | ... | ... | 106,240 | 166 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Lown ... | Raipur ... | Parsada ... | 46,720 | 73 | ... | ... | 46,720 | 73 |
| | | | Pipercheri ... | 40,320 | 63 | ... | ... | 40,320 | 63 |
| | | | Haldi ... | 40,320 | 63 | ... | ... | 40,320 | 63 |
| | | | Raitum ... | 40,320 | 63 | ... | ... | 40,320 | 63 |
| | | | Kantranala ... | 3,548 | 6 | ... | ... | 3,548 | 6 |
| | | | Total ... | 171,228 | 268 | ... | ... | 171,228 | 268 |
| | | | TOTAL FOR DIVISION ... | 884,828 | 1,383 | ... | ... | 884,828 | 1,383 |
| Bilaspur ... | Lormi ... | Bilaspur ... | Lormi ... | 264,038 | 413 | ... | ... | 264,038 | 413 |
| | Kuajatti Pantora ... | Bilaspur ... | Senkar ... | 816 | 1 | ... | ... | 816 | 1 |
| | | | Khaira ... | 1,485 | 2 | ... | ... | 1,485 | 2 |
| | | | Rani-bachali ... | 657 | 1 | ... | ... | 657 | 1 |
| | | | Kuajatti ... | 2,762 | 4 | ... | ... | 2,762 | 4 |
| | | | Bhaisaghar .. | 650 | 1 | ... | ... | 650 | 1 |
| | | | Ramchanda ... | 3,296 | 5 | ... | ... | 3,296 | 5 |
| | | | Lohradib ... | 876 | 1 | ... | ... | 876 | 1 |
| | | | Dorhi ... | 450 | 1 | .. | ... | 450 | 1 |
| | | | Garaindola ... | 530 | 1 | ... | ... | 530 | 1 |
| | | | Bitkuli .. | 33,155 | 53 | ... | ... | 33,155 | 53 |
| | | | Burgahan ... | 11,820 | 19 | ... | ... | 11,820 | 19 |
| | | | Chatta ... | 8,737 | 14 | ... | ... | 8,737 | 14 |
| | | | Pantora ... | 2,111 | 3 | ... | ... | 2,111 | 3 |
| | | | Daikoni ... | 694 | 1 | ... | ... | 694 | 1 |
| | | | Total ... | 68,039 | 199 | ... | ... | 68,039 | 199 |
| | Chita-Panderia. | Bilaspur ... | Chita-Pandaria ... | 2,207 | 3 | ... | ... | 2,207 | 3 |
| | | | Darri ... | 355 | 1 | ... | ... | 355 | 1 |
| | | | Total .. | 2,562 | 4 | ... | ... | 2,562 | 4 |
| | Sonakhan ... | Bilaspur .. | Sonakhan ... | 71,860 | 112 | ... | ... | 71,860 | 112 |
| | | | Gatadih ... | 7,578 | 12 | ... | ... | 7,578 | 12 |
| | | | Total .. | 79,438 | 124 | ... | ... | 79,438 | 124 |
| | Padakhar ... | Bilaspur ... | Padakhar ... | 814 | 1 | . | ... | 814 | 1 |
| | | | TOTAL FOR DIVISION ... | 414,891 | 648 | ... | ... | 4,14,891 | 648 |

ANNUAL FORM No. 49—[*Prescribed.*]—(Contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Sambalpur .. | Malikhaman ... | Sambalpur ... | Malikhaman .. | 4,403 | 7 | ... | ... | 4,403 | 7 | | |
| | Barapahar ... | Sambalpur ... | Chandli Dongri ... | 6,246 | 10 | ... | ... | 6,246 | 10 | No. 7464, dated 18th December 1889. | |
| | | | Barhampura ... } Lambi Dongri .. | 4,710 | 7 | ... | .. | 4,710 | 7 | | |
| | | | Barapahar ... | 1,16,121 | 181 | 235 | ... | 116,356 | 182 | No. 1560, dated 20th March 1890. | |
| | | | Halsuri Dongri ... | 3,584 | 6 | ... | ... | 3,584 | 6 | | |
| | | | Laram Kud ... | 512 | 1 | ... | ... | 512 | 1 | | |
| | | | Lengram Kud ... | 102 | ... | ... | ... | 102 | ... | | |
| | | | Total ... | 1,31,275 | 205 | 235 | ... | 131,510 | 206 | | |
| | Sambalpur ... | Sambalpur ... | Amkhaman Sagarpali... | 4,812 | 8 | ... | ... | 4,812 | 8 | | |
| | | | Sonari Dongri ... | 2,345 | 4 | ... | ... | 2,345 | 4 | | |
| | | | Mowla Chanja ... | 3,072 | 5 | ... | ... | 3,072 | 5 | | |
| | | | Ghichamara ... | 5,427 | 8 | ... | ... | 5,427 | 8 | | |
| | | | Phuljhar ... | 2,188 | 3 | ... | ... | 2,188 | 3 | | |
| | | | Sangramal ... | 3,788 | 6 | ... | ... | 3,788 | 6 | | |
| | | | Jharghatti .. | 6,656 | 10 | ... | ... | 6,656 | 10 | | |
| | | | Lambal Junan ... | 1,638 | 3 | ... | ... | 1,638 | 3 | | |
| | | | Lom Dongri ... | 2,188 | 3 | ... | ... | 2,188 | 3 | | |
| | | | Burharaja ... | 307 | ... | ... | ... | 307 | ... | | |
| | | | Lachmi Dongri ... | 409 | 1 | ... | ... | 409 | 1 | | |
| | | | Motijharan ... | 102 | .. | ... | 3* | 99 | ... | *No. 4014, dated 3rd July 1889. | |
| | | | Nil Dongri ... | 921 | 1 | ... | ... | 921 | 1 | | |
| | | | Kandrapat ... | 1,024 | 2 | ... | ... | 1,024 | 2 | | |
| | | | Hathibarikulchur Megpal ... | 29,644 | 46 | ... | ... | 29,644 | 46 | | |
| | | | Behara Khaman ... | 102 | ... | ... | ... | 102 | ... | | |
| | | | Charbahali Khaman ... | 1,126 | 2 | ... | ... | 1,126 | 2 | | |
| | | | Jadulinsing Ganjghora. | 13,414 | 21 | ... | ... | 13,414 | 21 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Labdera Bulbunga ... | 3,891 | 6 | ... | ... | 3,891 | 6 |
| | | | Birsingh Basiapara ... | 33,177 | 52 | ... | ... | 33,177 | 52 |
| | | | Total ... | 116,231 | 182 | ... | 3 | 116,228 | 182 |
| | | | TOTAL FOR DIVISION .. | 251,909 | 394 | 235 | 3 | 252,141 | 394 |
| *Northern Circle.* | | | TOTAL SOUTHERN CIRCLE | 6,171,408 | 9,643 | 6,443 | 212 | 6,177,639 | 9,653 |
| Jubbulpore ... | Jubbulpore ... | Damoh ... | Singrampur ... | 6,555 | 10 | ... | ... | 6,555 | 10 |
| | | Jubbulpore ... | Kamkhera ... | 713 | 1 | ... | ... | 713 | 1 |
| | | | Larshi .. | 4,490 | 7 | ... | ... | 4,490 | 7 |
| | | | Karampathar ... | 5,026 | 8 | ... | ... | 5,026 | 8 |
| | | | Semra .. | 5,009 | 8 | ... | ... | 5,009 | 8 |
| | | | Saliwara ... | 5,006 | 8 | .. | ... | 5,006 | 8 |
| | | | Burgi ... | 950 | 1 | ... | ... | 950 | 1 |
| | | | Umeria ... | 280 | ... | ... | ... | 280 | ... |
| | | | Thota ... | 705 | 1 | ... | .. | 705 | 1 |
| | | | Peparia ... | 1,310 | 2 | ... | ... | 1,310 | 2 |
| | | | Kalon ... | 1,294 | 2 | ... | ... | 1,294 | 2 |
| | | | Maghgawn ... | 583 | 1 | ... | ... | 583 | 1 |
| | | | Fhengra ... | 3,836 | 6 | ... | ... | 3,836 | 6 |
| | | | Silwa ... | 1,554 | 2 | ... | ... | 1,554 | 2 |
| | | | Khapa ... | 577 | 1 | ... | ... | 577 | 1 |
| | | | Mankhera ... | 310 | ... | ... | ... | 310 | ... |
| | | | Chindwha ... | 510 | 1 | ... | ... | 510 | 1 |
| | | | Kathotia ... | 1,807 | 3 | ... | ... | 1,807 | 3 |
| | | | Pararia ... | 1,202 | 2 | ... | ... | 1,202 | 2 |
| | | | Lowergour ... | 5,517 | 9 | ... | ... | 5,517 | 9 |
| | | | Narayanpur .. | 442 | 1 | ... | ... | 442 | 1 |
| | | | Kumbhi ... | 1,101 | 2 | ... | ... | 1,101 | 2 |
| | | | Gangae ... | 1,353 | 2 | ... | ... | 1,353 | 2 |
| | | | Dasratpur ... | 4,159 | 6 | ... | ... | 4,159 | 6 |
| | | | Purwah ... | 785 | 1 | ... | ... | 785 | 1 |
| | | | Rechai ... | 653 | 1 | ... | ... | 653 | 1 |
| | | | Budhari ... | 1,056 | 2 | ... | ... | 1,056 | 2 |
| | | | Bhumisraha ... | 7,833 | 12 | ... | ... | 7,833 | 12 |
| | | | Sakri ... | 1,694 | 3 | ... | ... | 1,694 | 3 |
| | | | Chutri ... | 3,120 | 5 | ... | ... | 3,120 | 5 |
| | | | Pondi ... | 2,718 | 4 | ... | ... | 2,718 | 4 |
| | | | Dorli ... | 610 | 1 | ... | ... | 610 | 1 |
| | | | Garhat ... | 503 | 1 | ... | ... | 503 | 1 |
| | | | Kumberpura ... | 5,845 | 9 | ... | ... | 5,845 | 9 |
| | | | Punwara ... | 1,990 | 3 | ... | ... | 1,990 | 3 |
| | | | Bijapuri ... | 5,419 | 8 | ... | ... | 5,419 | 8 |
| | | | Touri .. | 7,684 | 12 | ... | ... | 7,684 | 12 |
| | | | Bijora ... | 2,697 | 4 | ... | ... | 2,697 | 4 |
| | | | Kundwara .. | 2,922 | 5 | ... | ... | 2,922 | 5 |
| | | | Total ... | 99,818 | 156 | ... | ... | 99,818 | 156 |

ANNUAL FORM No. 49.—[*Prescribed*]—(Contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Jubbulpore-(Contd) | Murwara ... | Jubbulpore ... | Kampani .. | 5,127 | 9 | ... | ... | 5,127 | 9 | | |
| | | | Bijhota ... | 15,222 | 24 | ... | ... | 15,222 | 24 | | |
| | | | Umerpani ... | 8,551 | 13 | ... | ... | 8,551 | 13 | | |
| | | | Kathi ... | 4,730 | 7 | ... | ... | 4,730 | 7 | | |
| | | | Deogaon ... | 1,708 | 3 | ... | ... | 1,708 | 3 | | |
| | | | Diyagarh ... | 8,237 | 13 | ... | ... | 8,237 | 13 | | |
| | | | Jorphar ... | 173 | | ... | ... | 173 | ... | | |
| | | | Jhanpi ... | 500 | 1 | ... | ... | 500 | 1 | | |
| | | | Chapparwah ... | 904 | 1 | ... | ... | 904 | 1 | | |
| | | | Kundrakhas .. | 500 | 1 | ... | ... | 500 | 1 | | |
| | | | Khitoli .. | | | | | | | | |
| | | | Sutri ... | 21,188 | 33 | ... | ... | 21,188 | 33 | | |
| | | | Machmacha ... | | | | | | | | |
| | | | Bijpura ... | 5,312 | 8 | ... | .. | 5,312 | 8 | | |
| | | | Karela ... | 416 | 1 | ... | ... | 416 | 1 | | |
| | | | Durandi ... | 1,677 | 3 | ... | ... | 1,677 | 3 | | |
| | | | Majgawan ... | 1,408 | 2 | ... | ... | 1,408 | 2 | | |
| | | | Gopalpur ... | 4,313 | 7 | ... | ... | 4,313 | 7 | | |
| | | | Bijori ... | 2,443 | 4 | ... | ... | 2,443 | 4 | | |
| | | | Ghogri ... | 2,762 | 4 | ... | ... | 2,762 | 4 | | |
| | | | Jawara ... | 1,682 | 3 | ... | ... | 1,682 | 3 | | |
| | | | Hurdwa ... | 2,812 | 4 | ... | ... | 2,812 | 4 | | |
| | | | Khoreni .. | 1,213 | 2 | ... | ... | 1,213 | 2 | | |
| | | | Jheria ... | 1,854 | 3 | ... | ... | 1,854 | 3 | | |
| | | | Salaya ... | 392 | 1 | ... | ... | 392 | 1 | | |
| | | | Kurho ... | 1,254 | 2 | ... | .. | 1,254 | 2 | | |
| | | | Junwani ... | 1,294 | 2 | ... | ... | 1,294 | 2 | | |
| | | | Gooraiya ... | 542 | 1 | ... | ... | 542 | 1 | | |
| | | | Barah .. | 1,257 | 2 | ... | ... | 1,257 | 2 | | |
| | | | Sormah ... | 1,216 | 2 | ... | ... | 1,216 | 2 | | |
| | | | Bhainiswahi Khas ... | 502 | 1 | ... | ... | 502 | 1 | | |
| | | | Banjari ... | 726 | 1 | ... | ... | 726 | 1 | | |
| | | | Kamah ... | 10,670 | 17 | ... | ... | 10,670 | 17 | | |
| | | | Umdar ... | 13,898 | 22 | ... | ... | 13,898 | 22 | | |
| | | | Mamar .. | 850 | 1 | ... | ... | 850 | 1 | | |
| | | | Bilbari Khas ... | 1,476 | 2 | ... | ... | 1,476 | 2 | | |
| | | | Pathrai Piparia ... | 5,899 | 9 | ... | .. | 5,899 | 9 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Lakhapathari | ... | 951 | 1 | ... | ... | 951 | 1 |
| | | | | Jalasur | ... | 575 | 1 | ... | ... | 575 | 1 |
| | | | | Patori | ... | 2,434 | 4 | ... | ... | 2,434 | 4 |
| | | | | Jamupia | ... | 361 | 1 | ... | .. | 361 | 1 |
| | | | | Mangwan | ... | 799 | 1 | ... | ... | 799 | 1 |
| | | | | Dhanwahi | ... | 651 | 1 | ... | ... | 651 | 1 |
| | | | | Samghar | ... | 958 | 1 | ... | ... | 958 | 1 |
| | | | | Piparia | ... | 530 | 1 | ... | ... | 530 | 1 |
| | | | | Kuwan | ... | 558 | 1 | ... | ... | 558 | 1 |
| | | | | Amoch | ... | 596 | 1 | ... | ... | 596 | 1 |
| | | | | Hargarh | ... | 418 | 1 | ... | ... | 418 | 1 |
| | | | | Jojawal | ... | 825 | 1 | ... | ... | 825 | 1 |
| | | | | Chholapani | ... | 1,660 | 3 | ... | ... | 1,660 | 3 |
| | | | | Total | ... | 144,024 | 225 | ... | ... | 144,024 | 225 |
| | | | | TOTAL FOR DIVISION | ... | 243,842 | 381 | ... | ... | 243,842 | 381 |
| Saugor | ... | Hathkho | ... | Saugor | ... | Garhakota | .. | 2,899 | 5 | ... | ... | 2,899 | 5 |
| | | | | | | Hathkho | .. | 19,492 | 30 | ... | ... | 19,492 | 30 |
| | | | | | | Rangir | ... | 11,036 | 17 | ... | ... | 11,036 | 17 |
| | | | | | | Total | .. | 33,427 | 52 | ... | ... | 33,427 | 52 |
| | | Saugor | ... | Saugor | ... | Ranipura | ... | 8,109 | 13 | ... | ... | 8,109 | 13 |
| | | | | | | Jesmagir | ... | 9,600 | 15 | ... | ... | 9,600 | 15 |
| | | | | | | Jallandher | ... | 11,520 | 18 | ... | ... | 11,520 | 18 |
| | | | | | | Rahatgarh | ... | 26,880 | 42 | ... | ... | 26,880 | 42 |
| | | | | | | Saugor hills | ... | 4,480 | 7 | ... | ... | 4,480 | 7 |
| | | | | | | Total | ... | 60,589 | 95 | ... | ... | 60,589 | 95 |
| | | Banda | ... | Saugor | ... | Tigora | ... | 559 | 1 | ... | ... | 559 | 1 |
| | | | | | | Behrole | .. | 41,402 | 65 | ... | ... | 41,402 | 65 |
| | | | | | | Patri Kota | ... | 27,614 | 43 | .. | ... | 27,614 | 43 |
| | | | | | | Shahgurh | ... | 50,664 | 79 | ... | ... | 50,664 | 79 |
| | | | | | | Total | | 120,239 | 188 | ... | ... | 120,239 | 188 |
| | | Rehli | ... | Saugor | ... | Abchand | .. | 26,240 | 41 | ... | ... | 26,240 | 41 |
| | | | | | | Chirari | ... | 68,728 | 107 | ... | ... | 68,728 | 107 |
| | | | | | | Dilehri | ... | 4,224 | 7 | ... | ... | 4,224 | 7 |
| | | | | | | Ishurpur | ... | 37,120 | 58 | .. | ... | 37,120 | 58 |
| | | | | | | Murgakhera | ... | 24,670 | 39 | ... | ... | 24,670 | 39 |
| | | | | | | Sahajpur | ... | 21,120 | 33 | ... | ... | 21,120 | 33 |
| | | | | | | Total | ... | 182,102 | 285 | ... | ... | 182,102 | 285 |

ANNUAL FORM No. 49—[*Prescribed*]—(Contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Saugor–(contd). | Khurai .. | Saugor ... | Bandri ... | 27,611 | 43 | ... | ... | 27,611 | 43 | | |
| | | | Kanjia ... | 15,697 | 25 | ... | 26 | 15,671 | 24 | No. 6523, dated 6th November 1889. | |
| | | | Malthone .. | 42,452 | 66 | ... | ... | 42,452 | 66 | | |
| | | | Total ... | 85,760 | 134 | ... | 26 | 85,734 | 133 | | |
| | | | TOTAL FOR DIVISION ... | 482,117 | 753 | ... | 26 | 482,091 | 753 | | |
| Damoh ... | | Damoh ... | B Class Forests .. | 523,888 | 819 | ... | 832 | 523,056 | 817 | No. 414, dated 24th January 1890. | |
| Mandla ... | Motinala ... | Balaghat ... | Topla ... | 45,506 | 71 | ... | ... | 45,506 | 71 | | |
| | | | Keoli Khapa ... | 6,296 | 10 | .. | ... | 6,296 | 10 | | |
| | | Mandla ... | Motinala ... | 5,658 | 9 | ... | ... | 5,658 | 9 | | |
| | | | South Phen ... | 77,891 | 120 | ... | ... | 77,891 | 120 | | |
| | | | North Phen ... | 6,435 | 10 | ... | ... | 6,435 | 10 | | |
| | | | B Class Forests ... | 65,396 | 104 | 960 | ... | 66,356 | 105 | No. 3126, dated 20th May 1889. | |
| | | | Total .. | 207,182 | 324 | 960 | ... | 208,142 | 325 | | |
| | Bunjar ... | Balaghat ... | Bunjar Valley Forest .. | 17,280 | 27 | ... | ... | 17,280 | 27 | | |
| | | Mandla ... | Do. ... | 60,604 | 95 | ... | ... | 60,604 | 95 | | |
| | | | B Class Forests ... | 88,719 | 138 | ... | ... | 88,719 | 138 | | |
| | | | Total .. | 166,603 | 260 | ... | ... | 166,603 | 260 | | |
| | Jugmundal ... | Mandla ... | Jugmundal ... | 24,503 | 38 | ... | ... | 24,503 | 38 | | |
| | | | Choharigogarh ... | 1,660 | 3 | ... | ... | 1,660 | 3 | | |
| | | | Airi | 2,150 | 3 | ... | ... | 2,150 | 3 | | |
| | | | B Class Forests ... | 87,470 | 137 | ... | ... | 87,470 | 137 | | |
| | | | Total ... | 115,783 | 181 | ... | ... | 115,783 | 181 | | |
| | Mandla ... | Mandla ... | B Class Forests ... | 179,851 | 281 | ... | ... | 179,851 | 281 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Dhanwahi | Mandla | Berela | 8,212 | 13 | ... | ... | 8,212 | 13 |
| | | | Dobbi | 4,670 | 7 | ... | ... | 4,670 | 7 |
| | | | Jamania | 1,690 | 3 | ... | ... | 1,690 | 3 |
| | | | Bijadoni | 12,273 | 19 | ... | ... | 12,273 | 19 |
| | | | Jamthar | 3,944 | 6 | ... | ... | 3,944 | 6 |
| | | | Kalpi | 44,572 | 69 | ... | ... | 44,572 | 69 |
| | | | B Class Forests | 43,826 | 68 | ... | ... | 43,826 | 68 |
| | | | Total | 119,187 | 185 | ... | ... | 119,187 | 185 |
| | Dindori | Mandla | Goothal | 71,680 | 112 | ... | ... | 71,680 | 112 |
| | | | Burbaspore (Opri) | 145,000 | 227 | ... | ... | 145,000 | 227 |
| | | | B Class Forests | 421,394 | 659 | ... | ... | 421,394 | 659 |
| | | | Total | 638,074 | 998 | ... | ... | 638,074 | 998 |
| | Shahpura | Mandla | B Class Forests | 493,225 | 771 | ... | ... | 493,225 | 771 |
| | | | TOTAL FOR DIVISION | 1,919,905 | 3,000 | 960 | ... | 1,920,865 | 3,001 |
| Betul | Tapti | Betul | Ambapathar | 12,800 | 20 | ... | ... | 12,800 | 20 |
| | | | Ghotia | 14,892 | 23 | ... | ... | 14,892 | 23 |
| | | | Tajri | 17,920 | 28 | ... | ... | 17,920 | 28 |
| | | | Kanowary | 15,680 | 24 | ... | ... | 15,680 | 24 |
| | | | Ducklda | 10,880 | 17 | ... | ... | 10,880 | 17 |
| | | | Lodabehra | 21,120 | 33 | ... | ... | 21,120 | 33 |
| | | | Dhaora | 12,800 | 20 | ... | ... | 12,800 | 20 |
| | | | Gohar | 1,920 | 3 | ... | ... | 1,920 | 3 |
| | | | Tapti B Forests | 44,417 | 69 | ... | ... | 44,417 | 69 |
| | | | Total | 152,429 | 238 | ... | ... | 152,429 | 238 |
| | Bowergarh | Betul | Jamgarh | 17,920 | 28 | ... | ... | 17,920 | 28 |
| | | | Kutamurhi | 20,480 | 32 | ... | ... | 20,480 | 32 |
| | | | Bowergarh | 16,640 | 26 | ... | ... | 16,640 | 26 |
| | | | Temra | 24,380 | 38 | ... | ... | 24,380 | 38 |
| | | | Mendha | 10,240 | 16 | ... | ... | 10,240 | 16 |
| | | | Banspur | 1,920 | 3 | ... | ... | 1,920 | 3 |
| | | | Bowergarh B Class Forests | 30,888 | 48 | ... | ... | 30,888 | 48 |
| | | | Total | 122,468 | 191 | ... | ... | 122,468 | 191 |
| | Ranipur | Betul | Kharegondi | 25,600 | 40 | ... | ... | 25,600 | 40 |
| | | | Chicklor | 26,880 | 42 | ... | ... | 26,880 | 42 |
| | | | Mawar | 16,000 | 25 | ... | ... | 16,000 | 25 |
| | | | Ratera | 21,229 | 33 | ... | ... | 21,229 | 33 |
| | | | Matardeo | 22,700 | 35 | ... | ... | 22,700 | 35 |
| | | | Total | 112,409 | 176 | ... | ... | 112,409 | 176 |

ANNUAL FORM No. 49.—[*Prescribed.*]—(Contd.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Betul—(contd)... | Assir ... | Betul ... | Sagpandu ... | 19,400 | 30 | ... | ... | 19,400 | 30 | | |
| | | | Assir B Class Forests .. | 137,097 | 214 | .. | . | 137,097 | 214 | | |
| | | | Total ... | 156,497 | 245 | ... | ... | 156,497 | 245 | | |
| | Dabka ... | Do. ... | Dabka B Class Forests.. | 37,861 | 59 | ... | ... | 37,861 | 59 | | |
| | | | Sathkund do. ... | 68,422 | 107 | ... | ... | 68,422 | 107 | | |
| | | | Sawelmendah do. ... | 33,796 | 53 | ... | ... | 33,796 | 53 | | |
| | | | Chicklajhore do. ... | 45,111 | 70 | ... | ... | 45,111 | 70 | | |
| | | | Total ... | 185,190 | 289 | ... | ... | 185,190 | 289 | | |
| | | | TOTAL FOR DIVISION ... | 728,993 | 1,139 | ... | ... | 728,993 | 1,139 | | |
| Hoshangabad ... | Rajaborari ... | Hoshangabad .. | Machak ... | 12,800 | 20 | ... | ... | 12,800 | 20 | | |
| | | | Ajnal ... | 46,080 | 72 | ... | ... | 46,080 | 72 | | |
| | | | Gunjal ... | 54,080 | 85 | ... | ... | 54,080 | 85 | | |
| | | | Kaida ... | 48,685 | 76 | ... | ... | 48,685 | 76 | | |
| | | | Total ... | 161,645 | 253 | ... | ... | 161,645 | 253 | | |
| | Kalibhit ... | Hoshangabad ... | Kalibhit ... | 166,400 | 260 | ... | ... | 166,400 | 260 | | |
| | | Do. ... | Bori ... | 23,680 | 37 | ... | ... | 23,680 | 37 | | |
| | | | Dhain ... | 16,000 | 25 | ... | ... | 16,000 | 25 | | |
| | | | Total ... | 39,680 | 62 | ... | ... | 39,680 | 62 | | |
| | Saonligarh ... | Betul ... | Dekna ... | 49,920 | 78 | ... | ... | 49,920 | 78 | | |
| | | | Tokra ... | 28,160 | 44 | ... | ... | 28,160 | 44 | | |
| | | | Pophlia ... | 18,841 | 29 | ... | ... | 18,841 | 29 | | |
| | | | Total .. | 96,921 | 151 | ... | ... | 96,921 | 151 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sohagpur ... | Hoshangabad ... | Chowka ... | 48,142 | 75 | ... | ... | 48,142 | 75 | |
| | | | Malni ... | 196,572 | 307 | ... | ... | 196,572 | 307 | |
| | | | Sohagpur ... | 43,022 | 67 | ... | ... | 43,022 | 67 | |
| | | | Total ... | 287,736 | 450 | ... | ... | 287,736 | 450 | |
| | Hoshangabad | Hoshangabad ... | Zamani ... | 27,072 | 42 | ... | ... | 27,072 | 42 | |
| | | | Kesla ... | 38,542 | 60 | . | ... | 38,542 | 60 | |
| | | | Bajra ... | 26,382 | 41 | ... | ... | 26,382 | 41 | |
| | | | Total ... | 91,996 | 144 | ... | ... | 91,996 | 144 | |
| | Seoni ... | Hoshangabad ... | Lokertalai ... | 41,173 | 64 | .. | ... | 41,173 | 64 | |
| | | | Nanderwara ... | 21,379 | 33 | ... | ... | 21,379 | 33 | |
| | | | Total ... | 62,552 | 98 | ... | ... | 62,552 | 98 | |
| | Hurda ... | Hoshangabad ... | Charwa ... | 188,327 | 294 | ... | 9,824 | 178,503 | 279 | No. 3222, dated 23rd May 1889. |
| | | | Hurda ... | 127,573 | 199 | .. | ... | 127,573 | 199 | |
| | | | Total ... | 315,900 | 494 | ... | 9,824 | 306,076 | 478 | |
| | | | TOTAL FOR DIVISION... | 1,222,830 | 1,911 | ... | 9,824 | 1,213,006 | 1,895 | |
| Nimar .. | Punasa ... | Nimar .. | Punasa ... | 91,720 | 143 | ... | ... | 91,720 | 143 | |
| | | | Ajual ... | 1,237 | 2 | ... | ... | 1,237 | 2 | |
| | | | Bainpura ... | 600 | 1 | ... | ... | 600 | 1 | |
| | | | Chauria .. | 170 | | ... | ... | 170 | ... | |
| | | | Gunjari .. | 3,500 | 5 | ... | ... | 3,500 | 5 | |
| | | | Dehgaon ... | 1,000 | 2 | ... | ... | 1,000 | 2 | |
| | | | Purni Dohad ... | 5,120 | 8 | ... | ... | 5,120 | 8 | |
| | | | Chandgarh ... | 61,440 | 96 | ... | ... | 61,440 | 96 | |
| | | | Kharda ... | 360 | 1 | ... | ... | 360 | 1 | |
| | | | Andhali ... | 1,280 | 2 | ... | ... | 1,280 | 2 | |
| | | | Singaji ... | 14,880 | 23 | ... | ... | 14,880 | 23 | |
| | | | Total ... | 181,307 | 283 | .. | ... | 181,307 | 283 | |
| | Khandwa .. | Nimar ... | Khandwa ... | 35,840 | 56 | ... | .. | 35,840 | 56 | |
| | | | Undria Baoria ... | 3,100 | 5 | .. | ... | 3,100 | 5 | |
| | | | Bhojwa ... | 720 | 1 | ... | ... | 720 | 1 | |
| | | | Beheria ... | 1,280 | 2 | .. | ... | 1,280 | 2 | |
| | | | Telia ... | 360 | 1 | ... | ... | 360 | 1 | |
| | | | Borari ... | 1760 | 3 | ... | ... | 1,760 | 3 | |
| | | | Susarda ... | 853 | 1 | ... | ... | 853 | 1 | |
| | | | Kanapur ... | 7,680 | 12 | ... | ... | 7,680 | 12 | |
| | | | Baidia ... | 6,080 | 9 | ... | ... | 6,080 | 9 | |
| | | | Total | 57,673 | 90 | ... | ... | 57,673 | 90 | |

ANNUAL FORM No. 49—[*Prescribed*]—(Concluded.)

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded or transferred to other heads. | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| Nimar—(contd). | Asir ... | Nimar ... | Dehri ... | 1,400 | 2 | ... | ... | 1,400 | 2 | | |
| | | | Mandwa ... | 48,800 | 76 | ... | ... | 48,800 | 76 | | |
| | | | Amba ... | 109,440 | 171 | 842 | ... | 110,282 | 172 | No. 1692, dated 27th March 1890. | |
| | | | Total ... | 159,640 | 249 | 842 | ... | 160,482 | 251 | | |
| | Burhanpur ... | Nimar ... | Shamardeo ... | 70,080 | 110 | ... | ... | 70,080 | 110 | | |
| | | | Jambupani ... | 74,080 | 116 | ... | ... | 74,080 | 116 | | |
| | | | Ichhadevi .. | 15,200 | 24 | ... | ... | 15,200 | 24 | | |
| | | | Total ... | 159,360 | 249 | ... | ... | 159,360 | 249 | | |
| | Piplod ... | Nimar ... | Gondwana ... | 138,400 | 216 | | ... | 138,400 | 216 | | |
| | | | Tracts transferred to A Class. | 32,100 | 50 | ... | ... | 32,100 | 50 | | |
| | | | Total ... | 170,500 | 266 | .. | ... | 170,500 | 266 | | |
| | | | B I Reserves ... | 124,340 | 194 | ... | ... | 124,340 | 194 | | |
| | | | B Reserves ... | 302,520 | 473 | ... | ... | 302,520 | 473 | | |
| | | | Total ... | 426,860 | 667 | ... | ... | 426,860 | 667 | | |
| | | | TOTAL FOR DIVISION . | 1,155,340 | 1,805 | 842 | ... | 1,156,182 | 1,806 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Narsinghpur ... | Bachai ... | Narsinghpur ... | Bachai ... | 43,900 | 69 | ... | ... | 43,900 | 69 |
| | Srinagar ... | Do. ... | Srinagar ... | 29,703 | 46 | ... | ... | 29,703 | 46 |
| | Kheri ... | Do. ... | Kheri .. | 39,070 | 61 | ... | ... | 39,070 | 61 |
| | Richai ... | Do. ... | Malkoti and Richai ... | 12,448 | 19 | ... | ... | 12,448 | 19 |
| | | Saugor ... | Harekhot ... | 22,050 | 34 | ... | ... | 22,050 | 34 |
| | | Damoh ... | Mehkakhapa and Menghawa. | 5,558 | 9 | ... | ... | 5,558 | 9 |
| | | | Total ... | 40,056 | 63 | ... | ... | 40,056 | 63 |
| | Tendukheri ... | Narsinghpur ... | Rajgarha, Bhawarpani and Alanpur ... | 2,500 | 4 | ... | ... | 2,500 | 4 |
| | | | Delheri, Amakobi, Dilwara and Pindrai . | 12,416 | 19 | ... | ... | 12,416 | 19 |
| | | | Total ... | 14,916 | 23 | ... | ... | 14,916 | 23 |
| | | | TOTAL FOR DIVISION ... | 167,645 | 262 | ... | ... | 167,645 | 262 |
| | | | TOTAL NORTHERN CIRCLE | 6,444,560 | 10,070 | 1,802 | 10,682 | 6,435,680 | 10,056 |
| | | | GRAND TOTAL FOR THE PROVINCES ... | 12,615,968 | 19,712 | 8,245 | 10,894 | 12,613,319 | 19,708 |

ANNUAL FORM No. 49 A.— [*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Area of Unclassed State Forests for 1889-90.

| Division. | Range. | Civil District or Territory. | Name of Forest. | Area on 1st April 1889. | | Added during the year. | Excluded, or transferred to other heads | Area on 31st March 1890. | | No. and date of Notification of addition or transfer. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Acres. | Equivalent in square miles. | Acres. | Acres. | Acres. | Equivalent in square miles. | | |
| *Southern Circle.* | | | | | | | | | | | |
| Nagpur ... | Ramtek .. | Nagpur ... | Unclassed State Forests ... | 4,327 | 17 | ... | 269 | 4,058 | 6 | | |
| Balaghat ... | Burha & Behir ... | Balaghat ... | Do. ... | 62,135 | 97 | ... | ... | 62,135 | 97 | | |
| Seoni ... | ... | Seoni ... | Do. ... | 122,050 | 191 | ... | ... | 122,050 | 191 | | |
| Chhindwara .. | ... | Chhindwara ... | Do. ... | 5,906 | 9 | ... | 5,227 | 679 | 1 | | |
| Raipur ... | ... | Raipur ... | Do. ... | ... | ... | 1,382 | ... | 1,382 | 2 | | |
| | | | Total . | 194,418 | 304 | 1,382 | 5,496 | 190,304 | 297 | | |
| *Northern Circle.* | | | | | | | | | | | |
| Damoh ... | ... | Damoh .. | Unclassed State Forests ... | 13,343 | 21 | ... | ... | 13,343 | 21 | | |
| | | | GRAND TOTAL FOR THE PROVINCES .. | 207,761 | 325 | 1,382 | 5,496 | 203,647 | 318 | | |

ANNUAL FORM No. 50.—[*Prescribed*].

FOREST DEPARTMENT, CENTRAL PROVINCES.

Register of breaches of Forest Rules during 1889-90.

| Forest Division and Civil District. | | Cases pending from 1888-89. | New cases of the year. | | | | | Total Cases. | Disposed of during the year. | | | | | | Cases pending at close of year. | Persons. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Injury to forest by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | | Convictions. | | Acquittals. | | Total. | | | |
| | | | | | | | | | Cases. | Persons. | Cases. | Persons | Cases. | Persons. | | |
| *Southern Circle.* | | | | | | | | | | | | | | | | |
| Nagpur | A | 4 | ... | 13 | 3 | ... | 16 | 20 | 10 | 36 | 4 | 14 | 14 | 50 | 6 | 22 |
| | B | 18 | ... | 55 | 63 | ... | 118 | 136 | 118 | 460 | 3 | 7 | 121 | 467 | 15 | 116 |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... |
| | Total | 22 | ... | 68 | 66 | ... | 134 | 156 | 128 | 496 | 7 | 21 | 135 | 517 | 21 | 138 |
| Bhandara | A | 1 | ... | 15 | 11 | 4 | 30 | 31 | 29 | 121 | 2 | 4 | 31 | 125 | .. | ... |
| | B | 154 | 4 | 253 | 180 | 33 | 470 | 624 | 411 | 1,452 | 60 | 292 | 471 | 1,744 | 153 | 635 |
| | C | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | 155 | 4 | 268 | 191 | 37 | 500 | 655 | 440 | 1,573 | 62 | 296 | 502 | 1,869 | 153 | 635 |
| Chanda | A | 4 | 1 | 3 | 10 | 1 | 15 | 19 | 8 | 9 | 9 | 13 | 17 | 22 | 2 | 2 |
| | B | 70 | 17 | 137 | 484 | 1,061 | 1,699 | 1,769 | 1,692 | 5,580 | 10 | 24 | 1,702 | 5,604 | 67 | 265 |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... |
| | Total | 74 | 18 | 140 | 494 | 1,062 | 1,714 | 1,788 | 1,700 | 5,589 | 19 | 37 | 1,719 | 5,626 | 69 | 267 |
| Wardha | A | 1 | 1 | 3 | 5 | . | 9 | 10 | 4 | 12 | 4 | 31 | 8 | 43 | 2 | 16 |
| | B | 8 | ... | 8 | 51 | ... | 59 | 67 | 46 | 126 | 5 | 6 | 51 | 132 | 16 | 31 |
| | C | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | 9 | 1 | 11 | 56 | ... | 68 | 77 | 50 | 138 | 9 | 37 | 59 | 175 | 18 | 47 |
| Balaghat | A | ... | 2 | 2 | ... | ... | 4 | 4 | 2 | 12 | 2 | 3 | 4 | 15 | ... | ... |
| | B | ... | ... | 84 | 2 | ... | 86 | 86 | 86 | 117 | ... | ... | 86 | 117 | ... | ... |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | 2 | 86 | 2 | ... | 90 | 90 | 88 | 129 | 2 | 3 | 90 | 132 | ... | ... |

ANNUAL FORM No. 50.—[*Prescribed*]—Contd.

| Forest Division and Civil District. | | Cases pending from 1888-89. | New cases of the year. | | | | | Total Cases. | Disposed of during the year. | | | | | | Cases pending at close of year. | Persons. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Injury to forest by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | | Convictions. | | Acquittals. | | Total. | | | |
| | | | | | | | | | Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | | |
| Seoni | A ... | ... | 1 | 7 | 3 | 14 | 25 | 25 | 20 | 29 | 5 | 16 | 25 | 45 | ... | ... |
| | B ... | ... | ... | 286 | 381 | ... | 667 | 667 | 630 | 2,585 | 37 | 137 | 667 | 2,722 | ... | ... |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | ... | 1 | 293 | 384 | 14 | 692 | 692 | 650 | 2,614 | 42 | 153 | 692 | 2,767 | ... | ... |
| Chhindwara | A ... | ... | 5 | 2 | 2 | 6 | 15 | 15 | 13 | 22 | 2 | 10 | 15 | 32 | ... | ... |
| | B ... | ... | 1 | 307 | 93 | 17 | 418 | 418 | 329 | 479 | 89 | 149 | 418 | 628 | ... | ... |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | ... | 6 | 309 | 95 | 23 | 433 | 433 | 342 | 501 | 91 | 159 | 433 | 660 | ... | ... |
| Raipur | A ... | ... | ... | 1 | 2 | ... | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | ... | ... |
| | B ... | 8 | 3 | 584 | 592 | 204 | 1,383 | 1,391 | 1,379 | 2,929 | 12 | 21 | 1,391 | 2,950 | ... | ... |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 8 | 3 | 585 | 594 | 204 | 1,386 | 1,394 | 1,381 | 2,931 | 13 | 22 | 1,394 | 2,953 | ... | ... |
| Bilaspur | A ... | ... | 1 | 2 | .. | 9 | 12 | 12 | ... | ... | 3 | 4 | 3 | 4 | 9 | 9 |
| | B ... | 17 | ... | 83 | 88 | 10 | 181 | 198 | 181 | 527 | 17 | 129 | 198 | 656 | ... | ... |
| | C ... | ... | 8 | ... | ... | ... | 8 | 8 | ... | ... | ... | ... | ... | ... | 8 | ... |
| | Total ... | 17 | 9 | 85 | 88 | 19 | 201 | 218 | 181 | 527 | 20 | 133 | 201 | 660 | 17 | 9 |
| Sambalpur | A ... | ... | ... | 9 | 1 | 3 | 13 | 13 | 13 | 36 | ... | ... | 13 | 36 | ... | ... |
| | B ... | 24 | 3 | 507 | 151 | 65 | 726 | 750 | 714 | 1,923 | 11 | 34 | 725 | 1,957 | 25 | 38 |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total ... | 24 | 3 | 516 | 152 | 68 | 739 | 763 | 727 | 1,959 | 11 | 34 | 738 | 1,993 | 25 | 38 |
| TOTAL FOR THE SOUTHERN CIRCLE. | A ... | 10 | 11 | 57 | 37 | 37 | 142 | 152 | 101 | 279 | 32 | 96 | 133 | 375 | 19 | 49 |
| | B ... | 299 | 28 | 2,304 | 2,085 | 1,390 | 5,807 | 6,106 | 5,586 | 16,178 | 244 | 799 | 5,830 | 16,977 | 276 | 1,085 |
| | C ... | ... | 8 | ... | ... | ... | 8 | 8 | ... | ... | ... | ... | ... | ... | 8 | ... |
| | Total ... | 309 | 47 | 2,361 | 2,122 | 1,427 | 5,958 | 6,266 | 5,687 | 16,457 | 276 | 895 | 5,963 | 17,352 | 303 | 1,134 |

*Northern Circle.*

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nimar | A | 7 | 3 | 3 | 2 | 5 | 13 | 20 | 14 | 34 | 5 | 11 | 19 | 45 | 1 | 1 |
| | B | ... | 4 | 81 | 69 | 7 | 161 | 161 | 140 | 319 | 21 | 46 | 161 | 365 | ... | ... |
| | C | ... | 2 | 1 | ... | ... | 3 | 3 | ... | ... | ... | ... | ... | ... | 3 | ... |
| | Total | 7 | 9 | 85 | 71 | 12 | 177 | 184 | 154 | 353 | 26 | 57 | 180 | 410 | 4 | 1 |
| Betul | A | ... | 8 | 7 | ... | ... | 15 | 15 | 13 | 31 | 2 | 11 | 15 | 42 | ... | ... |
| | B | ... | ... | 147 | 16 | ... | 163 | 163 | 163 | 462 | ... | ... | 163 | 462 | ... | ... |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | 8 | 154 | 16 | ... | 178 | 178 | 176 | 493 | 2 | 11 | 178 | 504 | ... | ... |
| Mandla | A | ... | 1 | 5 | ... | 5 | 11 | 11 | 6 | 21 | 5 | 38 | 11 | 59 | ... | ... |
| | B | ... | ... | 102 | 159 | 53 | 314 | 314 | 250 | 594 | 64 | 143 | 314 | 737 | ... | ... |
| | C | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | 1 | 107 | 159 | 58 | 325 | 325 | 256 | 615 | 69 | 181 | 325 | 796 | ... | ... |
| Damoh | A | ... | ... | 3 | 2 | 5 | 10 | 10 | 10 | 32 | ... | ... | 10 | 32 | ... | ... |
| | B | ... | ... | 219 | 197 | ... | 416 | 416 | 416 | 1,318 | ... | ... | 416 | 1,318 | ... | ... |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | ... | 222 | 199 | 5 | 426 | 426 | 426 | 1,350 | ... | ... | 426 | 1,350 | ... | ... |
| Hoshangabad | A | ... | 1 | 12 | 2 | 1 | 16 | 16 | 12 | 42 | 4 | 9 | 16 | 51 | ... | ... |
| | B | ... | 3 | 123 | 51 | 14 | 191 | 191 | 191 | 352 | ... | ... | 191 | 352 | ... | ... |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | ... | 4 | 135 | 53 | 15 | 207 | 207 | 203 | 394 | 4 | 9 | 207 | 403 | ... | ... |
| Saugor | A | ... | 9 | 22 | 14 | ... | 45 | 45 | 29 | 66 | 16 | 37 | 45 | 103 | ... | ... |
| | B | 232 | 2 | 630 | 633 | ... | 1,265 | 1,497 | 1,298 | 3,146 | 37 | 78 | 1,335 | 3,224 | 162 | 667 |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | 232 | 11 | 652 | 647 | ... | 1,310 | 1,542 | 1,327 | 3,212 | 53 | 115 | 1,380 | 3,327 | 162 | 667 |
| Narsinghpur | A | ... | 4 | 3 | 2 | 2 | 11 | 11 | 10 | 19 | 1 | 1 | 11 | 20 | ... | ... |
| | B | 4 | 1 | 109 | 50 | ... | 160 | 164 | 161 | 496 | ... | ... | 161 | 496 | 3 | 8 |
| | C | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Total | 4 | 5 | 112 | 52 | 2 | 171 | 175 | 171 | 515 | 1 | 1 | 172 | 516 | 3 | 8 |

ANNUAL FORM No. 50.—[*Prescribed*]—(Contd).

| Forest Division and Civil District. | | Cases pending from 1888-89. | New cases of the year. | | | | | Total cases. | Disposed of during the year. | | | | | | Cases pending at close of year. | Persons. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Injury to forest by fire. | Unauthorized felling or appropriation of wood and minor forest produce. | Grazing without permission, or in tracts in which grazing is prohibited. | Other offences. | Total new cases of the year. | | Convictions. | | Acquittals. | | Total. | | | |
| | | | | | | | | | Cases. | Persons. | Cases. | Persons. | Cases. | Persons. | | |
| *Northern Circle.*—(Contd). | | | | | | | | | | | | | | | | |
| Jubbulpore ... | A ... | ... | 6 | 5 | 18 | 1 | 50 | 30 | 23 | 79 | 6 | 14 | 29 | 93 | 1 | 5 |
| | B ... | ... | ... | 12 | 44 | ... | 56 | 56 | 58 | 251 | ... | ... | 56 | 251 | ... | ... |
| | C ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... |
| Total ... | | ... | 6 | 17 | 62 | 1 | 86 | 86 | 79 | 330 | 6 | 14 | 85 | 344 | 1 | 5 |
| TOTAL FOR THE NORTHERN CIRCLE. | A ... | 7 | 32 | 60 | 40 | 19 | 151 | 158 | 117 | 324 | 39 | 121 | 156 | 445 | 2 | 6 |
| | B ... | 236 | 10 | 1,423 | 1,219 | 74 | 2,726 | 2,962 | 2,675 | 6,938 | 122 | 267 | 2,797 | 7,205 | 165 | 675 |
| | C ... | ... | 2 | 1 | ... | ... | 3 | 3 | ... | ... | ... | ... | ... | ... | 3 | ... |
| Total ... | | 243 | 44 | 1,484 | 1,259 | 93 | 2,880 | 3,123 | 2,792 | 7,262 | 161 | 388 | 2,953 | 7,650 | 170 | 681 |
| TOTAL FOR THE PROVINCE. | A ... | 17 | 43 | 117 | 77 | 56 | 293 | 310 | 218 | 603 | 71 | 217 | 289 | 820 | 21 | 55 |
| | B ... | 535 | 38 | 3,727 | 3,304 | 1,464 | 8,533 | 9,068 | 8,261 | 23,116 | 366 | 1,066 | 8,627 | 24,182 | 441 | 1,760 |
| | C ... | ... | 10 | 1 | ... | ... | 11 | 11 | ... | ... | ... | ... | ... | ... | 11 | ... |
| Total ... | | 552 | 91 | 3,845 | 3,381 | 1,520 | 8,837 | 9,389 | 8,479 | 23,719 | 437 | 1,283 | 8,916 | 25,002 | 473 | 1,815 |

*N. B.*—A means cases taken into Court.
B means cases disposed of under Section 67 of Indian Forest Act, 1878.
C means undetected cases.

ANNUAL FORM No. 51.—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Area of Forest tracts protected from Fire during the dry season 1890, to accompany Report for 1889-90.

| Division. | Forest tracts. | Year in which protection commenced | Area actually protected up to 15th June 1889. | During dry season of 1890. | | | Cost during the season. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | Area attempted to be protected. | Failures. | Actually protected. | | |
| | | | Acres. | Acres. | Acres. | Acres. | Rs. a. p. | |
| *Southern Circle.* | | | | | | | | |
| Nagpur ... | Sylaree Khapa (whole) ... | 1875 ... | 42,580 | 42,580 | .. | 42,580 | 637 15 6 | |
| | Nagalwari (block) ... | 1878 .. | 9,680 | 9,680 | ... | 9,680 | 177 1 0 | |
| | Nurhur (part) ... | 1881 . | 30,800 | 30,800 | 163 | 30,637 | 563 8 8 | |
| | Khairee ... | 1889 ... | 1,800 | 1,800 | ... | 1,800 | 130 8 10 | |
| | Total ... | ... | 84,860 | 84,860 | 163 | 84,697 | 1,508 13 0 | |
| Bhandara .. | Gaikhuri ... | 1888 ... | 67,772 | 76,092 | 1,312 | 74,780 | 376 1 4 | |
| | Dudhara ... | 1888 . | 6,824 | 10,044 | .. | 10,044 | 127 11 1 | |
| | Total ... | ... | 74,596 | 86,136 | 1,312 | 84,824 | 503 12 5 | |
| Chanda ... | Bhimaram ... | 1873 ... | 6,467 | 6,467 | ... | 6,467 | 273 7 5 | |
| | Do. ... | 1875 ... | 5,829 | 5,829 | ... | 5,829 | 246 7 9 | |
| | Do. ... | 1888 ... | 18,573 | 18,573 | 270 | 18,303 | 774 0 6 | |
| | Mirkallu ... | 1875 ... | 5,268 | 5,268 | . | 5,268 | 395 0 2 | |
| | Do. .. | 1876 ... | 3,211 | 3,211 | 20 | 3,191 | 239 4 3 | |
| | Do. ... | 1888 ... | 5,037 | 5,037 | 165 | 4,872 | 365 5 2 | |
| | Elchil ... | 1888 ... | 28,557 | 28,603 | 335 | 28,268 | 947 0 3 | |
| | Taroba (block) ... | 1873 ... | 22,070 | 22,400 | ... | 22,400 | 1,241 5 5 | |
| | Do. ... | 1876 .. | 3,219 | 3,219 | ... | 3,219 | 178 6 2 | |
| | Goverdhan ... | 1874 ... | 5,280 | 6,720 | ... | 6,720 | 386 11 5 | |
| | Do. ... | 1875 ... | 7,097 | 7,097 | ... | 7,097 | 408 7 0 | |
| | Do. ... | 1879 ... | 114 | 114 | ... | 114 | 6 8 11 | |
| | Pipalkot (part) ... | 1882 ... | 16,423 | 16,423 | ... | 16,423 | 707 4 11 | |
| | Dada Miyan ... | 1889 ... | 20,998 | 20,998 | ... | 20,998 | 869 6 10 | |
| | Kharwa ... | 1889 ... | 17,010 | 17,010 | ... | 17,010 | 658 15 9 | |
| | Upasha ... | 1890 ... | ... | 17,300 | .. | 17,300 | 1,006 3 6 | |
| | Bheskund ... | 1889 ... | 23,381 | 23,381 | 17 | 23,364 | 1,019 5 11 | |
| | Ganpur ... | 1890 .. | . | 26,500 | 30 | 26,470 | 866 4 4 | |
| | B Class—Lohara Hill ... | 1888 ... | 1,831 | 1,831 | ... | 1,831 | 142 7 9 | |
| | Do. Lohara extension ... | 1890 ... | ... | 1,500 | ... | 1,500 | 116 11 9 | |
| | Total ... | ... | 190,365 | 237,481 | 837 | 236,644 | 10,848 13 2 | |

ANNUAL FORM No. 51—[*Prescribed*]—(Continued).

| Division. | Forest tracts. | Year in which protection commenced. | Area actually protected up to 15th June 1889. | During dry season of 1890. | | | Cost during the season. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | Area attempted to be protected. | Failures. | Actually protected. | | |
| *Southern Circle—(Contd).* | | | Acres. | Acres. | Acres. | Acres. | Rs. a. p. | |
| Wardha | Dhuga (whole) ... | 1880 .. | 14,171 | 14,171 | 10 | 14,161 | 427 9 8 | |
| | Erjhar do. ... | 1880 ... | 11,911 | 11,911 | ... | 11,911 | 211 14 10 | |
| | Malaigon do. ... | 1888 ... | 6,590 | 6,590 | ... | 6,590 | 292 6 10 | |
| | Total ... | ... | 32,672 | 32,672 | 10 | 32,662 | 931 15 4 | |
| Balaghat | Pandratola ... | 1872 ... | 4,817 | 4,817 | ... | 4,817 | 105 14 0 | |
| | Amoli (block) ... | 1888 ... | 160 | 160 | ... | 160 | 5 5 2 | |
| | Do. .. | 1889 .. | 40 | 40 | ... | 40 | 1 5 3 | |
| | Do. ... | 1890 ... | ... | 809 | ... | 809 | 26 14 7 | |
| | Sonawani Range ... | 1889 ... | 51,585 | 52,520 | 580 | 51,940 | 726 5 0 | |
| | Uskul (block) ... | 1889 ... | 58,020 | 59,520 | 150 | 59,370 | 764 5 3 | |
| | Bhandamurri (block) ... | 1890 ... | ... | 9,723 | .. | 9,723 | 160 0 0 | |
| | Salebhurri do. ... | 1890 ... | ... | 4,047 | ... | 4,047 | 80 9 6 | |
| | Rupjhar do. ... | 1890 .. | ... | 28,800 | ... | 28,800 | 356 1 0 | |
| | Total ... | ... | 114,622 | 160,436 | 730 | 1,59,706 | 2,226 11 9 | |
| Seoni | Korai Range (Korai block) .. | 1869 ... | 31,210 | 31,210 | 350 | 30,860 | 454 1 11 | |
| | Do. Sakata ... | 1880 ... | 10,020 | 10,020 | ... | 10,020 | 162 15 6 | |
| | Do. Oomurgarh ... | 1888 ... | 10,080 | 10,080 | ... | 10,080 | 133 15 9 | |
| | Do. Rukhar ... | 1888 ... | 2,240 | 2,240 | ... | 2,240 | 67 3 10 | |
| | Gangeyanala (Range) ... | ... | ... | ... | ... | ... | ... | |
| | Gangeyanala (block) ... | 1888 ... | 39,200 | 39,200 | 90 | 39,110 | 359 13 2 | |
| | Oogly Range Oolut Beharry .. | 1889 .. | 2,350 | 3,350 | 3 | 3,347 | 42 11 0 | |
| | Total ... | ... | 95,100 | 96,100 | 443 | 95,657 | 1,220 13 2 | |
| Chhindwara | Joti Khapa ... | 1879 .. | 8,240 | 8,240 | 900 | 7,340 | 127 11 2 | |
| | Sileywani Ghat .. | 1890 ... | ... | 18,000 | 500 | 17,500 | 164 13 11 | |
| | Total ... | ... | 8,240 | 26,240 | 1,400 | 24,840 | 292 9 1 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Raipur | .. | Kuntranala (block) | ... | 1876 | ... | 3,548 | 3,548 | ... | 3,548 | 82 3 8 |
| | | Do. do. | ... | 1889 | .. | 292 | 292 | ... | 292 | 6 12 4 |
| | | Rajoli (block) | ... | 1889 | ... | ... | 7,680 | 4,480 | 3,200 | 170 0 0 |
| | | Ranikhole do. | ... | 1889 | .. | 8,904 | 8,960 | 320 | 8,640 | 250 0 0 |
| | | Ghirghole Rohasi (block) | ... | 1890 | .. | ... | 2,560 | 960 | 1,600 | 84 0 0 |
| | | Sirpur (block) | .. | 1890 | ... | ... | 7,040 | 4,160 | 2,880 | 133 0 0 |
| | | Banjari do. | .. | 1890 | ... | ... | 640 | ... | 640 | 36 0 0 |
| | | Kongera Ghatgaon (block) | ... | 1890 | . | ... | 27,520 | 17,920 | 9,600 | 170 0 0 |
| | | Total | ... | ... | | 12,744 | 58,240 | 27,840 | 30,400 | 932 0 0 |
| Bilaspur | ... | Bitkuli | ... | 1888 | ... | 27,595 | 33,155 | 7,000 | 26,155 | 322 15 8 |
| | | Sonakhan Hathibari (block) | ... | 1870 | ... | 2,123 | 2,123 | ... | 2,123 | 64 8 0 |
| | | Do. (the remainder) | ... | 1888 | .. | 54,209 | 69,737 | 34,024 | 35,713 | 598 4 0 |
| | | Garaindola ... | ... | 1890 | .. | ... | 530 | 30 | 500 | 24 3 1 |
| | | Dorki ... | ... | 1890 | .. | ... | 450 | ... | 450 | 25 12 0 |
| | | Chita Pandaria ... | ... | 1890 | ... | ... | 2,207 | 2,207 | .. | 55 0 0 |
| | | Total | ... | ... | | 83,927 | 108,202 | 43,261 | 64,941 | 1,090 10 9 |
| | | TOTAL SOUTHERN CIRCLE. | .. | ... | | 697,126 | 890,367 | 75,996 | 814,371 | 19,556 2 8 |
| *Northern Circle.* | | | | | | | | | | |
| Jubbulpore | ... | Bijragogarh ... | ... | 1871 | .. | 21,188 | 21,188 | ... | 21,188 | 460 0 10 |
| | | Singrampur ... | ... | 1871 | ... | 4,624 | 6,555 | ... | 6,555 | 159 2 4 |
| | | Lowergour ... | ... | 1882 | ... | 5,515 | 5,517 | 2 | 5,515 | 229 12 10 |
| | | Sonepur ... | ... | 1889 | ... | 19,851 | 22,413 | ... | 22,413 | 184 4 5 |
| | | Total | ... | ... | | 51,178 | 55,673 | 2 | 55,671 | 1,033 4 5 |
| Saugor | ... | Garhakota ... | ... | 1875 | ... | 2,899 | 2,899 | ... | 2,899 | 46 13 10 |
| | | Hathkho . | ... | 1875 | ... | 10,598 | 10,598 | 72 | 10,526 | 115 15 9 |
| | | Do. ... | ... | 1888 | ... | 8,894 | 8,894 | ... | 8,894 | 97 15 8 |
| | | Rangir ... | .. | 1875 | ... | 1,987 | 1,987 | ... | 1,987 | 8 10 0 |
| | | Do. ... | ... | 1888 | ... | 9,049 | 9,049 | ... | 9,049 | 39 4 10 |
| | | Rampura ... | ... | 1879 | ... | 2,720 | 2,720 | 50 | 2,670 | 20 15 4 |
| | | Do. ... | ... | 1888 | ... | 5,389 | 5,389 | ... | 5,389 | 42 4 10 |
| | | Tigora ... | ... | 1879 | ... | 559 | 559 | ... | 559 | 3 0 0 |
| | | Jalandhar ... | .. | 1880 | ... | 2,885 | 2,885 | 200 | 2,685 | 24 10 8 |
| | | Hiranpura Basa ... | ... | 1886 | ... | 1,485 | 1,485 | ... | 1,485 | 36 0 0 |
| | | Total | ... | ... | | 46,465 | 46,465 | 322 | 46,143 | 435 10 11 |
| Mandla | ... | Bunjar Valley ... | ... | 1876 | ... | 49,724 | 49,724 | ... | 49,724 | 875 8 7 |
| | | Do. ... | ... | 1888 | ... | 467 | 467 | ... | 467 | 8 1 7 |
| | | Motinala ... | ... | 1875 | ... | 1,658 | 1,658 | ... | 1,658 | 83 13 5 |

ANNUAL FORM No. 51—(*Prescribed*)—(Continued).

| Division. | Forest tracts. | Year in which protection commenced. | Area actually protected up to 15th June 1889. | During dry season of 1890. Area attempted to be protected. | Failures. | Actually protected. | Cost during the season. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| *Northern Circle.*—(contd.) | | | Acres. | Acres. | Acres. | Acres. | Rs. a. p. | |
| | Jagmandal ... ... | 1867 ... | 24,503 | 24,503 | ... | 24,503 | 587 10 9 | |
| | Choharigogarh ... ... | 1872 ... | 1,660 | 1,660 | ... | 1,660 | 49 14 2 | |
| | Barela ... ... | 1878 .. | 7,153 | 7,153 | 150 | 7,003 | 244 0 2 | |
| | Do. ... ... | 1889 ... | 1,059 | 1,059 | ... | 1,059 | 36 14 4 | |
| | Airi ... ... | 1867 ... | 2,150 | 2,150 | ... | 2,150 | 42 0 2 | |
| | Topla ... ... | 1887 ... | 39,187 | 39,852 | 540 | 39,312 | 382 8 1 | |
| | Keoli Khapa ... ... | 1889 .. | 5,300 | 5,500 | 140 | 5,360 | 151 2 6 | |
| | South Phen ... ... | 1889 ... | 43,500 | 43,500 | 1,225 | 41,275 | 477 2 7 | |
| | North Phen ... ... | 1890 ... | ... | 6,435 | ... | 6,435 | 105 6 0 | |
| | Total ... | ... | 176,361 | 183,661 | 2,055 | 181,606 | 3,044 2 4 | |
| Betul ... | Khamapur ... ... | 1875 ... | 16,000 | 16,000 | ... | 16,000 | 284 0 0 | |
| | Bowargarh ... ... | 1875 ... | 38,080 | 38,720 | ... | 38,720 | 1,010 0 0 | |
| | Silwani Sarni (block) ... .. | 1889 ... | 1,920 | 1,920 | . | 1,920 | 128 5 4 | |
| | Total ... | ... | 56,000 | 56,640 | ... | 56,640 | 1,522 5 4 | |
| Hoshangabad ... | Rajaborari Machak ... ... | 1875 ... | 12,800 | 12,800 | ... | 12,800 | 412 12 2 | |
| | Do. Gunjal ... ... | 1875 ... | 54,080 | 54,080 | 90 | 53,990 | 620 11 3 | |
| | Do. Ajnal ... ... | 1875 ... | 46,080 | 46,080 | ... | 46,080 | 831 15 9 | |
| | Saonligarh Dekna ... ... | 1875 ... | 49,920 | 49,920 | ... | 49,920 | 507 15 8 | |
| | Do. Tokra ... ... | 1875 ... | 28,160 | 28,160 | ... | 28,160 | 440 5 7 | |
| | Do. Poplia ... ... | 1886 .. | 10,880 | 10,880 | ... | 10,880 | 190 7 2 | |
| | Bori Bori ... ... | 1864 .. | 23,680 | 23,680 | ... | 23,680 | 445 9 6 | |
| | Do. Dhain ... .. | 1879 ... | 16,000 | 16,000 | ... | 16,000 | 301 2 1 | |
| | Kalibhit Golai ... ... | 1874 ... | 62,080 | 62,080 | ... | 62,080 | 633 1 11 | |
| | Do. do. ... ... | 1890 ... | ... | 5,120 | ... | 5,120 | 52 3 6 | |
| | Total ... | ... | 303,680 | 308,800 | 90 | 308,710 | 4,436 4 7 | |
| Nimar ... | Punassa (block) No. I .. ... | 1875 .. | 7,680 | 7,680 | ... | 7,680 | 151 4 2 | |
| | Do. „ „ II ... ... | 1875 ... | 9,720 | 9,720 | ... | 9,720 | 192 1 4 | |
| | Do. „ „ III ... ... | 1875 ... | 6,445 | 6,680 | ... | 6,680 | 132 0 5 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Do. „ „ IV ... | ... | 1875 | ... | 9,836 | 9,836 | ... | 9,836 | 194 | 8 | 3 |
| | Do. „ „ V ... | .. | 1875 | ... | 4,697 | 9,600 | 467 | 9,133 | 180 | 7 | 9 |
| | Do. „ „ VI ... | ... | 1877 | ... | 10,050 | 10,880 | 4,698 | 6,182 | 122 | 3 | 0 |
| | Do. „ „ VII ... | ... | 1879 | .. | 9,180 | 9,180 | ... | 9,180 | 181 | 7 | 7 |
| | Do „ „ VIII | .. | 1880 | ... | 8,500 | 8,500 | 1,335 | 7,165 | 141 | 9 | 7 |
| | Do. „ „ IX .. | ... | 1881 | ... | 8,960 | 8,960 | 734 | 8,226 | 162 | 9 | 1 |
| | Do. „ „ X ... | ... | 1882 | ... | 10,880 | 10,880 | 2,137 | 8,743 | 172 | 12 | 10 |
| | Chandgarh .. | ... | 1878 | ... | 53,304 | 61,440 | 9,175 | 52,265 | 1,259 | 0 | 0 |
| | Ajnal ... | ... | 1879 | ... | 1,500 | 1,500 | ... | 1,500 | 29 | 0 | 0 |
| | Bainpura ... | .. | 1879 | .. | 600 | 600 | . | 600 | 29 | 0 | 0 |
| | Chaoria ... | .. | 1880 | .. | 170 | 170 | ... | 170 | ... | | |
| | Gunjari | . | 1879 | ... | 3,500 | 3,500 | ... | 3,500 | 58 | 0 | 0 |
| | Khandwa | ... | 1878 | .. | 34,899 | 35,840 | 7,333 | 28,507 | 962 | 0 | 0 |
| | Undria Baoria | ... | 1879 | .. | 3,096 | 3,100 | 315 | 2,785 | 53 | 0 | 0 |
| | Bhojua Beharia | ... | 1879 | .. | 2,000 | 2,000 | 120 | 1,880 | 71 | 0 | 0 |
| | Mandwa reserve | .. | 1890 | .. | .. | 48,800 | 4,788 | 44,012 | 1,385 | 0 | 0 |
| | Arakhera block | ... | 1890 | .. | ... | 37,104 | 2,569 | 34,535 | 815 | 0 | 0 |
| | Total | ... | ... | | 185,017 | 285,974 | 33,671 | 252,303 | 6,292 | 0 | 0 |
| Narsinghpur ... | Sale Chouka | ... | 1889 | ... | 18,450 | 19,200 | .. | 19,200 | 158 | 4 | 1 |
| | Rajgarha | ... | 1890 | ... | ... | 1,280 | ... | 1,280 | 11 | 0 | 3 |
| | Total | ... | ... | | 18,450 | 20,480 | ... | 20,480 | 169 | 4 | 4 |
| | TOTAL NORTHERN CIRCLE | ... | ... | | 837,151 | 957,693 | 36,140 | 921,553 | 16,932 | 15 | 11 |
| | TOTAL FOR THE PROVINCE | ... | ... | | 1,534,277 | 1,848,060 | 112,136 | 1,735,924 | 36,489 | 2 | 7 |

AMENDED ANNUAL FORM

FOREST DEPARTMENT,

Outturn in cubic feet (solid) of Timber and Fuel during

| Division. | Timber in the rough logs. | | | | | Timber in the rough poles. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Government. | Purchasers. | Free Grants. | Right-holders. | Total. | Government. | Purchasers. | Free Grants. | Right-holders. | Total. |
| *Reserved Forest.* | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. |
| SOUTHERN CIRCLE. | | | | | | | | | | |
| Direction ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Balaghat ... | ... | 3,215 | ... | ... | 3,215 | ... | 2,657 | ... | ... | 2,657 |
| Bhandara ... | 7 | 22 | ... | ... | 29 | 29,742 | 103,115 | ... | ... | 132,857 |
| Bilaspur ... | ... | 42 | ... | ... | 42 | 10,918 | 654 | ... | .. | 11,572 |
| Chanda ... | 26,547 | 3,394 | ... | ... | 29,941 | 2,705 | 95,578 | ... | ... | 98,283 |
| Chhindwara .. | ... | 1,009 | ... | ... | 1,009 | ... | ... | ... | ... | ... |
| Nagpur-Wardha ... | 371 | ... | ... | ... | 371 | 6,275 | 82,823 | ... | ... | 89,098 |
| Raipur ... | 466 | 32 | ... | ... | 498 | 1,127 | 23,898 | ... | ... | 25,025 |
| Seoni ... | ... | 5,792 | ... | ... | 5,792 | .. | 89,347 | ... | ... | 89,347 |
| Sambalpur ... | ... | 885 | ... | ... | 885 | ... | 2,569 | ... | ... | 2,569 |
| Total cubic feet ... | 27,391 | 14,391 | ... | ... | 41,782 | 50,767 | 400,641 | ... | ... | 451,408 |
| NORTHERN CIRCLE. | | | | | | | | | | |
| Betul ... | ... | 7,004 | ... | ... | 7,004 | ... | 27,760 | ... | ... | 27,760 |
| Damoh .. | ... | ... | ... | ... | ... | ... | 1,450 | ... | ... | 1,450 |
| Hoshangabad ... | ... | 1,276 | ... | ... | 1,276 | 1,250 | 8,720 | ... | ... | 9,970 |
| Jubbulpore ... | ... | ... | ... | ... | ... | 462 | 2,742 | ... | ... | 3,204 |
| Mandla ... | 1,288 | 486 | ... | ... | 1,774 | 2,293 | 8,012 | ... | ... | 10,305 |
| Narsinghpur ... | ... | ... | ... | ... | ... | 30,511 | 1,978 | ... | ... | 32,489 |
| Nimar ... | ... | ... | ... | ... | ... | 37 | 5,662 | ... | ... | 5,699 |
| Saugor ... | ... | ... | ... | ... | ... | ... | 2,717 | ... | ... | 2,717 |
| Total cubic feet ... | 1,288 | 8,766 | ... | ... | 10,054 | 34,553 | 59,041 | ... | ... | 93,594 |
| GRAND TOTAL .. | 28,679 | 23,157 | ... | ... | 51,836 | 85,320 | 459,682 | ... | ... | 545,002 |

NOTE.—Bambus removed during the year.

By Departmental Agency—

| | | |
|---|---|---|
| Southern Circle | No. | 67,676 |
| Northern Circle | „ | 53,187 |
| Total | ... | 120,863 |

By Consumers and Purchasers—

| | | |
|---|---|---|
| Southern Circle | No. | 4,587,944 |
| Northern Circle | „ | 4,687,689 |
| Total | ... | 9,275,633 |
| GRAND TOTAL | ... | 93,96,496 |

No. 54—[*Prescribed.*]

CENTRAL PROVINCES.

the year 1889-90.—Agency of Exploitation.

| Sawn or squared timber. | | | | | Miscellaneous. | | | | | Fuel. | | | | | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Government. | Purchasers. | Free grants. | Right holders. | Total. | Government. | Purchasers. | Free Grants. | Right holders. | Total. | Government. | Purchasers. | Free Grants. | Right holders. | Total. | Outturn. |
| c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. | c. ft. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 361 | ... | ... | ... | 361 | 2 | 329 | ... | ... | 331 | 7,563 | 268,394 | ... | ... | 275,957 | 282,521 |
| ... | ... | ... | ... | ... | 844 | 13 | ... | ... | 857 | 4,720 | 488,247 | ... | ... | 492,967 | 626,710 |
| ... | ... | ... | ... | ... | 531 | ... | ... | ... | 531 | 4,370 | 4,794 | .. | ... | 9,164 | 21,309 |
| 24,082 | ... | ... | ... | 24,082 | 10,805 | 82,998 | ... | ... | 93,803 | ... | 544,216 | ... | ... | 544,216 | 790,325 |
| ... | ... | ... | ... | .. | ... | 16,139 | ... | .. | 16,139 | ... | 96,438 | ... | ... | 96,438 | 113,586 |
| ... | ... | ... | ... | ... | 21,718 | 39 | ... | ... | 21,757 | 19,989 | 314,242 | ... | ... | 334,231 | 445,457 |
| 1,484 | ... | ... | ... | 1,484 | 94 | 41,309 | ... | ... | 41,403 | 13,324 | 450,457 | ... | ... | 463,781 | 532,191 |
| ... | ... | ... | .. | ... | ... | 13,581 | ... | ... | 13,581 | ... | 472,132 | ... | ... | 472,132 | 580,852 |
| ... | .. | ... | ... | ... | ... | 4,092 | ... | ... | 4,092 | ... | 241,067 | ... | ... | 241,067 | 248,613 |
| 25,927 | ... | ... | ... | 25,927 | 33,994 | 158,500 | ... | ... | 192,494 | 49,966 | 2,879,987 | ... | .. | 2,929,953 | 3,641,564 |
| ... | ... | ... | ... | ... | ... | 21,766 | .. | ... | 21,766 | ... | 118,050 | .. | ... | 118,050 | 174,580 |
| ... | ... | ... | ... | ... | ... | 92,397 | .. | ... | 92,397 | ... | 369,734 | ... | ... | 369,734 | 463,581 |
| 178 | ... | ... | ... | 178 | 561 | 68,174 | .. | ... | 68,735 | 2,026 | 561,851 | ... | ... | 563,877 | 644,036 |
| 2,751 | ... | ... | .. | 2,751 | ... | 7,172 | ... | ... | 7,172 | 286 | 37,696 | ... | .. | 37,982 | 51,109 |
| 3,532 | ... | .. | .. | 3,532 | 2,506 | 42,700 | .. | ... | 45,206 | 2,307 | 65,242 | ... | ... | 67,549 | 128,366 |
| ... | ... | ... | ... | ... | 291 | 11,141 | .. | ... | 11,432 | ... | 186,968 | ... | .. | 186,968 | 230,889 |
| ... | ... | .. | ... | ... | 3,101 | 54,124 | ... | .. | 57,225 | ... | 687,978 | .. | .. | 687,978 | 750,902 |
| ... | ... | ... | ... | ... | ... | 21,436 | .. | ... | 21,436 | ... | 260,062 | ... | .. | 260,062 | 284,215 |
| 6,461 | ... | ... | ... | 6,461 | 6,459 | 318,910 | ... | ... | 325,369 | 4,619 | 2,287,581 | .. | ... | 2,292,200 | 2,727,678 |
| 32,388 | ... | ... | ... | 32,388 | 40,453 | 477,410 | ... | ... | 517,863 | 54,585 | 5,167,568 | ... | .. | 5,222,153 | 6,369,242 |

Bambu Materials—

By Departmental Agency—

| | | |
|---|---|---|
| Southern Circle | No. | 133 |
| Northern Circle | „ | ... |
| Total | ... | 133 |

By Consumers and Purchasers—

| | | |
|---|---|---|
| Southern Circle | No. | 49,863 |
| Northern Circle | „ | ... |
| Total | ... | 49,863 |
| GRAND TOTAL | ... | 49,996 |

ANNUAL FORM No. 55.—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Outturn of Minor Forest Produce during the year 1889-90.

| Division. | Description of produce. | | Produce removed or utilized. By Government agency | | By purchasers. | | By free grants | | By right-holders. | | Total. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | |
| *Southern Circle.* | | | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | |
| Balaghat ... | Grazing animals | No. | ... | ... | 137,712 | 24,216 | ... | ... | ... | .. | 1,37,712 | 24,216 | |
| | Do. compensation | ... | ... | ... | ... | 25 | ... | ... | ... | ... | ... | 25 | |
| | Grass | Tons. | ... | ... | 2,104 | 1,653 | ... | ... | ... | ... | 2,104 | 1,653 | |
| | Do. "Bid" | Contract. | ... | .. | ... | 1,344 | ... | ... | ... | ... | ... | 1,344 | |
| | Fruits and flowers | Tons. | 352 | 13,113 | 58 | 216 | ... | ... | ... | ... | 410 | 13,329 | |
| | Duty on do. (Mowha) from Agriculturists and Non-agriculturists | Houses. | ... | ... | 14,658 | 1,506 | ... | ... | . | ... | 14,658 | 1,506 | |
| | Mineral products | Tons. | ... | ... | 69 | 48 | ... | ... | ... | ... | 69 | 48 | |
| | Miscellaneous do. | Tons. | ... | 75 | 351 | 590 | ... | ... | ... | ... | 351 | 665 | |
| | Do do. contract | ... | ... | ... | ... | 1,928 | ... | ... | ... | ... | ... | 1,928 | |
| Bhandara ... | Grazing animals | No. | ... | ... | 89,448 | 16,384 | ... | ... | ... | ... | 89,448 | 16,384 | |
| | Do. compensation | .. | ... | ... | ... | 14 | ... | .. | ... | ... | ... | 14 | |
| | Grass | Tons. | ... | ... | 8,480 | 6,580 | ... | ... | ... | ... | 8,480 | 6,580 | |
| | Do. "Bid" | Contract. | ... | ... | ... | 29 | ... | .. | ... | ... | ... | 29 | |
| | Fruits and flowers | Tons. | .. | ... | 1 | 18 | ... | ... | ... | ... | 1 | 18 | |
| | Skins and horns | Contract. | ... | ... | .. | 226 | ... | ... | ... | .. | ... | 226 | |
| | Mineral products | Tons. | ... | ... | 1,154 | 1,796 | ... | ... | ... | ... | 1,154 | 1,796 | |
| | Miscellaneous products | Tons. | ... | ... | 478 | 592 | ... | . | ... | ... | 478 | 592 | |
| | Do. | Contract | ... | ... | ... | 4,114 | ... | ... | ... | ... | ... | 4,114 | |
| Bilaspur ... | Grazing animals | No. | ... | ... | 34,955 | 5,795 | ... | ... | ... | ... | 34,955 | 5,795 | |
| | Do. compensation | ... | ... | ... | ... | 19 | ... | .. | ... | ... | ... | 19 | |
| | Grass | Tons. | ... | 1 | 649 | 6,316 | ... | . | .. | ... | 649 | 6,317 | |
| | Do. "Bid" | Contract. | ... | ... | ... | 1,375 | ... | ... | ... | .. | ... | 1,375 | |
| | Fruits and flowers | Leases. | ... | ... | ... | 82 | ... | ... | ... | ... | .. | 82 | |
| | Skins and horns | Tons. | ... | ... | ... | 23 | ... | ... | ... | ... | . | 23 | |
| | Do. | Leases. | ... | ... | .. | 16 | ... | ... | ... | ... | ... | 16 | |
| | Mineral products | Tons. | ... | ... | 221 | 146 | ... | ... | ... | ... | 221 | 146 | |
| | Miscellaneous products | Tons. | ... | ... | 314 | 298 | ... | ... | ... | ... | 314 | 298 | |
| | Do. | Leases. | ... | ... | ... | 62 | ... | ... | ... | ... | ... | 62 | |
| | ffurra | Tons. | 1 | 15 | ... | ... | ... | ... | ... | ... | 1 | 15 | |
| Chanda .. | Grazing animals | No. | ... | ... | 599,722 | 63,751 | ... | ... | ... | ... | 599,722 | 63,751 | |
| | Grass | Tons. | ... | 405 | 1,850 | 2,887 | ... | ... | ... | ... | 1,850 | 3,292 | |
| | Fruits and flowers | Tons. | 45 | 1,767 | 10 | 27 | ... | ... | ... | ... | 55 | 1,794 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Do. | Leases. | .. | ... | ... | 11,157 | ... | ... | ... | ... | ... | 11,157 |
| | Skins and horns | Tons. | ... | 29 | 1 | 68 | ... | ... | ... | ... | 1 | 97 |
| | Do. | Leases. | ... | . | ... | 548 | ... | ... | ... | ... | ... | 548 |
| | Mineral products | Tons. | ... | .. | 1,168 | 398 | ... | ... | ... | ... | 1,168 | 398 |
| | Miscellaneous products | Tons. | 5 | 230 | 74 | 90 | ... | . | ... | ... | 79 | 320 |
| | Do. | Contract. | ... | .. | ... | 2,229 | ... | ... | ... | ... | ... | 2,229 |
| | Hurra | Tons. | 2 | 84 | ... | ... | ... | ... | ... | ... | 2 | 84 |
| Chhindwara ... | Grazing animals | No. | ... | ... | 229,897 | 33,613 | .. | ... | ... | ... | 229,897 | 33,613 |
| | Do. compensation | ... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | 10 |
| | Grass | Tons. | ... | ... | 2,803 | 2,074 | ... | ... | ... | ... | 2,803 | 2,074 |
| | Fruits and flowers | Tons. | ... | ... | 2 | 1 | ... | .. | ... | .. | 2 | 1 |
| | Do. | Contract. | ... | ... | .. | 1,999 | . . | ... | ... | .. | ... | 1,999 |
| | Skins and horns | Leases. | ... | ... | ... | 362 | ... | ... | ... | ... | ... | 362 |
| | Mineral products | Tons. | ... | ... | 8 | 4 | . | ... | ... | ... | 8 | 4 |
| | Do. | Leases. | ... | ... | ... | 21 | ... | ... | ... | ... | ... | 21 |
| | Miscellaneous do. | Tons. | ... | ... | 720 | 303 | ... | ... | ... | ... | 720 | 303 |
| | Do. do. | Leases. | ... | ... | ... | 464 | ... | . . | ... | ... | ... | 464 |
| | Hurra | Tons. | 61 | 2,132 | . | ... | ... | .. | ... | ... | 61 | 2,132 |
| Nagpur-Wardha ... | Grazing animals | No. | ... | ... | 212,194 | 39,751 | ... | ... | .. | .. | 212,194 | 39,751 |
| | Grass | Tons. | 7 | 165 | 2,199 | 6,631 | ... | ... | ... | ... | 2,206 | 6,796 |
| | Skins and horns | Tons. | ... | 1 | .. | 16 | ... | ... | ... | ... | ... | 17 |
| | Do. | Contract. | .. | ... | ... | 148 | ... | ... | .. | ... | ... | 148 |
| | Mineral products | Tons. | ... | ... | 449 | 59 | ... | ... | . | ... | 449 | 59 |
| | Do. | Contract. | ... | ... | .. | 138 | ... | .. | ... | ... | ... | 138 |
| | Micellaneous products | Tons. | 3 | 89 | 158 | 233 | ... | ... | .. | ... | 161 | 322 |
| | Do. | Contract. | ... | ... | | 2,888 | ... | ... | ... | .. | ... | 2,888 |
| Raipur ... | Grazing animals | No. | .. | ... | 116,744 | 17,136 | ... | ... | . | ... | 116,744 | 17,136 |
| | Do. compensation | ... | | .. | | 2,090 | ... | ... | ... | ... | ... | 2,090 |
| | Grass | Tons. | 45 | 199 | 3,616 | 14,248 | ... | ... | ... | ... | 3,661 | 14,447 |
| | Fruits and flowers | Tons. | .. | ... | 91 | 209 | .. | ... | ... | ... | 91 | 209 |
| | Do. | Contract. | .. | . | ... | 2,445 | ... | ... | ... | ... | ... | 2,445 |
| | Skins and horns | Tons. | ... | ... | 37 | 358 | ... | | ... | ... | 37 | 358 |
| | Do. | Contract. | . | ... | ... | 215 | ... | ... | .. | ... | ... | 215 |
| | Mineral products | Tons. | .. | ... | 70 | 11 | ... | ... | ... | ... | 70 | 11 |
| | Miscellaneous do. | Tons. | ... | .. | 69 | 162 | ... | ... | .. | ... | 69 | 162 |
| | Do. | Contract. | | ... | ... | 5,413 | ... | .. | | .. | ... | 5,413 |
| Seoni ... | Grazing animals | No. | ... | | 232,041 | 39,865 | ... | ... | .. | ... | 232,041 | 39,865 |
| | Do. compensation | ... | .. | ... | ... | 2 | ... | .. | ... | ... | ... | 2 |
| | Grass | Tons. | ... | ... | 4,308 | 2,384 | ... | . | ... | ... | 4,308 | 2,384 |
| | Fruits and flowers | Contract. | ... | ... | ... | 1,320 | . | ... | ... | .. | ... | 1,320 |
| | Skins and horns | Contract. | ... | ... | .. | 366 | .. | .. | .. | ... | ... | 366 |
| | Mineral products | Tons. | ... | ... | 3 | 5 | ... | ... | ... | ... | 3 | 5 |
| | Miscellaneous products | Tons. | ... | ... | 43 | 74 | ... | ... | ... | ... | 43 | 74 |
| | Do. | Contract. | ... | ... | ... | 2,872 | ... | ... | ... | ... | ... | 2,872 |
| Sambalpur ... | Grazing animals | No. | ... | ... | 30,777 | 3,394 | ... | ... | ... | ... | 30,777 | 3,394 |
| | Grass | Tons | ... | ... | 41 | 13 | ... | ... | ... | ... | 41 | 13 |
| | Fruits and flowers | Tons. | ... | ... | 6 | 22 | ... | ... | ... | ... | 6 | 22 |
| | Skins and horns | ... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | 10 |
| | Mineral products | Tons. | ... | ... | 202 | 41 | ... | ... | ... | ... | 202 | 41 |
| | Miscellaneous products | Contract. | ... | ... | ... | 66 | ... | ... | ... | ... | ... | 66 |
| | TOTAL SOUTHERN CIRCLE ... | | ... | 18,305 | ... | 3,38,002 | ... | ... | .. | ... | ... | 3,56,307 |

ANNUAL FORM No. 55.—[*Prescribed*]—(Contd.)

| Division. | Description of produce. | | Produce removed or utilized. | | | | | | | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | By Government agency. | | By purchasers. | | By free grants. | | By right-holders. | | Total. | | |
| | | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | |
| *Northern Circle.* | | | | Rs. | | Rs. | | Rs. | | Rs. | Rs. | Rs. | |
| Betul ... | Grazing buffaloes ... | No. | .. | ... | 14,822 | 5,299 | ... | ... | ... | ... | 14,822 | 5,299 | |
| | Do. cows and bullocks | No. | ... | ... | 96,572 | 18,128 | ... | ... | ... | ... | 96,572 | 18,128 | |
| | Do. goats ... | No. | ... | ... | 9,323 | 976 | ... | ... | ... | ... | 9,323 | 976 | |
| | Do. sheep ... | No. | ... | ... | 3,478 | 297 | ... | ... | ... | ... | 3,478 | 297 | |
| | Grass | Tons. | ... | ... | 3,029 | 1,811 | ... | ... | ... | ... | 3,029 | 1,811 | |
| | Skins and horns | Tons. | ... | ... | 44 | 168 | ... | ... | ... | ... | 44 | 168 | |
| | Do. | Contract. | ... | ... | ... | 361 | ... | ... | ... | ... | ... | 361 | |
| | Miscellaneous products | Tons. | ... | ... | 203 | 771 | ... | ... | ... | ... | 203 | 771 | |
| | Do. | Contrac. | .. | ... | .. | 8,398 | ... | ... | ... | ... | ... | 8,398 | |
| | Mineral products | Tons. | ... | ... | 260 | 171 | ... | ... | ... | ... | 260 | 171 | |
| Damoh ... | Grazing buffaloes | No. | ... | ... | 23,833 | 9,454 | ... | ... | .. | ... | 23,833 | 9,454 | |
| | Do. cows and bullocks | No. | ... | ... | 140,584 | 22,419 | ... | ... | ... | ... | 140,584 | 22,419 | |
| | Do. goats ... | No. | ... | ... | 7,953 | 794 | ... | ... | ... | ... | 7,953 | 794 | |
| | Do. sheep ... | No. | .. | ... | 5,664 | 389 | ... | ... | ... | ... | 5,664 | 389 | |
| | Do. ponies ... | No. | ... | ... | 35 | 14 | ... | ... | ... | ... | 35 | 14 | |
| | Do. donkeys ... | No. | ... | ... | 22 | 2 | ... | ... | ... | ... | 22 | 2 | |
| | Do. camels ... | No. | .. | ... | 1 | 2 | ... | ... | ... | ... | 1 | 2 | |
| | Do. elephants ... | No. | .. | ... | 1 | 12 | ... | ... | ... | ... | 1 | 12 | |
| | Grass | Tons. | ... | ... | 170 | 114 | ... | ... | ... | ... | 170 | 114 | |
| | Do. | Contract. | ... | .. | ... | 108 | ... | ... | ... | ... | ... | 108 | |
| | Skins and horns | Tons. | ... | ... | 1 | 63 | ... | ... | ... | ... | 1 | 63 | |
| | Do. | Contract. | ... | ... | .. | 410 | ... | ... | ... | ... | ... | 410 | |
| | Miscellaneous products | Tons. | ... | ... | 11 | 2 | ... | ... | ... | ... | 11 | 2 | |
| | Do. | Contract | ... | ... | ... | 13,066 | ... | ... | ... | ... | ... | 13,066 | |
| | Mineral products | Tons. | ... | ... | 3,132 | 491 | ... | ... | ... | ... | 3,132 | 491 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hoshangabad .. | Grazing buffaloes | No. | ... | ... | 21,852 | 7,401 | ... | ... | ... | ... | 21,852 | 7,401 |
| | Do. cows and bullocks | No. | ... | ... | 138,342 | 22,556 | ... | ... | .. | ... | 138,342 | 22,556 |
| | Do. goats | No. | ... | ... | 2,673 | 256 | ... | ... | ... | ... | 2,673 | 256 |
| | Do. sheep | No. | ... | ... | 443 | 29 | ... | ... | ... | ... | 443 | 29 |
| | Do. ponies | No. | ... | ... | 208 | 38 | ... | ... | ... | ... | 208 | 38 |
| | Do. donkeys | No. | ... | ... | 5 | 1 | ... | ... | . | ... | 5 | 1 |
| | Do. camel | No. | ... | ... | 4 | 1 | ... | ... | ... | ... | 4 | 1 |
| | Do. cattle | No. | ... | ... | 22,125 | 352 | ... | ... | ... | ... | 22,125 | 352 |
| | Do. other animals ... | No. | ... | ... | 20 | 5 | ... | ... | ... | ... | 20 | 5 |
| | Grass | Tons. | 13 | 57 | 1,651 | 1,221 | .. | ... | ... | .. | 1,664 | 1,278 |
| | Do. | Contract. | ... | ... | ... | 1,481 | ... | ... | ... | ... | ... | 1,481 |
| | Skins and horns | Tons. | ... | ... | 3 | 68 | ... | ... | .. | ... | 3 | 68 |
| | Do. | Contract | ... | ... | ... | 907 | ... | ... | ... | ... | ... | 907 |
| | Miscellaneous products | Tons. | 1 | 29 | 1,492 | 498 | ... | ... | ... | ... | 1,493 | 527 |
| | Do. | Contract, | ... | ... | ... | 3,714 | ... | ... | ... | ... | ... | 3,714 |
| | Mineral products | Tons. | ... | .. | 96 | 88 | ... | ... | ... | ... | 96 | 88 |
| | Do. | Contract. | ... | ... | ... | 22 | ... | ... | ... | ... | ... | 22 |
| Jubbulpore .. | Grazing buffaloes ... | No. | ... | ... | 6,629 | 2,077 | ... | ... | ... | ... | 6,629 | 2,077 |
| | Do. cows and bullocks | No. | ... | ... | 52,723 | 9,572 | ... | . | ... | ... | 52,723 | 9,572 |
| | Do. goats ... | No. | ... | .. | 364 | 35 | ... | ... | ... | ... | 364 | 35 |
| | Do. sheep ... | No. | ... | ... | 45 | 3 | ... | ... | ... | ... | 45 | 3 |
| | Grass | Tons. | 242 | 1,009 | 169 | 170 | ... | ... | ... | ... | 411 | 1,179 |
| | Do. | Contract. | ... | .. | ... | 4 | ... | ... | .. | ... | ... | 4 |
| | Fruits and flowers | Tons. | ... | .. | 3 | 4 | ... | ... | ... | ... | 3 | 4 |
| | Skins and horns | Contract. | ... | .. | ... | 262 | ... | ... | ... | ... | ... | 262 |
| | Miscellaneous products | Tons. | 9 | 219 | 4 | 21 | ... | ... | ... | ... | 13 | 240 |
| | Do. | Contract. | .. | ... | ... | 2,034 | ... | .. | ... | .. | ... | 2,034 |
| | Mineral products | Tons | ... | ... | 80 | 3 | .. | ... | ... | ... | 80 | 3 |
| Mandla ... | Grazing buffaloes ... | No. | ... | ... | 52,994 | 16,920 | ... | ... | ... | ... | 52,994 | 16,920 |
| | Do. cows and bullocks | No. | ... | ... | 302,551 | 56,985 | ... | ... | ... | ... | 302,551 | 56,985 |
| | Do. goats ... | No. | ... | ... | 25,655 | 2,782 | | ... | ... | ... | 25,655 | 2,782 |
| | Do, sheep ... | No | ... | ... | 2,357 | 256 | ... | .. | ... | ... | 2,357 | 256 |
| | Do. ponies ... | No. | .. | ... | 2 | ... | ... | ... | ... | ... | 2 | ... |
| | Grass | Tons. | ... | .. | 22 | 6 | ... | .. | ... | ... | 22 | 6 |
| | Skins and horns | Tons. | 1 | 129 | 5 | 21 | ... | ... | .. | ... | 6 | 150 |
| | Do. | Contract. | ... | ... | ... | 152 | ... | .. | ... | ... | ... | 152 |
| | Miscellaneous products | Tons. | 347 | 12,737 | 39 | 184 | ... | ... | ... | ... | 386 | 12,921 |
| | Do. | Contract. | ... | ... | ... | 9,992 | ... | ... | ... | ... | ... | 9,992 |
| | Mineral products | Tons. | ... | ... | 14 | 12 | ... | ... | ... | ... | 14 | 12 |

ANNUAL FORM No. 55.—[*Prescribed*]—(Concluded.)

| Division. | Description of produce. | | Produce removed or utilised. | | | | | | | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | By Government agency. | | By purchasers. | | By free grants. | | By right holders. | | Total. | | |
| | | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. | |
| | | | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | |
| *Northern Circle*—(contd.) | | | | | | | | | | | | | |
| Narsinghpur ... | Grazing buffaloes ... | No. | ... | .. | 8,685 | 3,735 | ... | ... | ... | ... | 8,685 | 3,735 | |
| | Do. cows and bullocks ... | No. | ... | ... | 40,461 | 8,272 | ... | ... | ... | ... | 40,461 | 8,272 | |
| | Do. goats ... | No. | ... | ... | 2,358 | 250 | ... | ... | ... | ... | 2,358 | 250 | |
| | Do. sheep ... | No. | ... | ... | 1,100 | 78 | ... | ... | ... | ... | 1,100 | 78 | |
| | Do. elephant ... | No. | ... | ... | 1 | 8 | ... | ... | ... | ... | 1 | 8 | |
| | Grass ... | Tons. | 4 | 10 | 17 | 20 | .. | . | ... | ... | 21 | 30 | |
| | Do. ... | Contract. | ... | ... | ... | 452 | ... | ... | . | ... | ... | 452 | |
| | Fruits and flowers ... | Contract. | . | ... | ... | 13 | ... | ... | ... | ... | ... | 13 | |
| | Skins and horns ... | Contract. | ... | ... | ... | 335 | ... | ... | ... | ... | ... | 335 | |
| | Miscellaneous products ... | Tons ... | ... | ... | 602 | 437 | ... | ... | ... | ... | 602 | 437 | |
| | Do. ... | Contract | ... | ... | .. | 4,129 | .. | .. | ... | ... | ... | 4,129 | |
| | Mineral products ... | Tons. | ... | ... | 18 | 16 | ... | ... | ... | ... | 18 | 16 | |
| | Do. ... | Contract. | ... | ... | ... | 72 | ... | .. | ... | ... | ... | 72 | |
| Nimar ... | Grazing buffaloes ... | No. | ... | ... | 30,110 | 11,258 | ... | ... | ... | ... | 30,110 | 11,258 | |
| | Do. cows and bullocks ... | No. | ... | ... | 119,807 | 22,920 | ... | ... | .. | ... | 119,807 | 29,920 | |
| | Do. goats ... | No. | ... | .. | 10,719 | 1,141 | ... | ... | ... | ... | 10,719 | 1,141 | |
| | Do. sheep ... | No. | ... | ... | 894 | 67 | ... | ... | ... | ... | 894 | 67 | |
| | Do. ponies ... | No. | ... | ... | 133 | 30 | ... | ... | ... | ... | 133 | 30 | |
| | Do. donkeys ... | No. | ... | ... | 64 | 15 | ... | ... | ... | ... | 64 | 15 | |
| | Do. camels ... | No. | ... | ... | 109 | 36 | ... | ... | ... | ... | 109 | 36 | |
| | Grass ... | Tons. | ... | ... | 6,178 | 4,478 | ... | ... | ... | ... | 6,178 | 4,478 | |
| | Do. ... | Contract. | ... | ... | ... | 3 | ... | | ... | ... | ... | 3 | |
| | Fruits and flowers ... | Tons. | ... | ... | 4 | 7 | ... | ... | ... | ... | 4 | 7 | |
| | Do. ... | Contract. | ... | ... | ... | 35 | ... | .. | ... | ... | .. | 35 | |
| | Skins and horns ... | Tons. | ... | ... | 1 | 17 | ... | ... | ... | ... | 1 | 17 | |
| | Do. ... | Contract. | ... | ... | ... | 299 | ... | ... | ... | ... | ... | 299 | |
| | Miscellaneous products ... | Tons. | ... | ... | 1,927 | 1,450 | ... | ... | ... | ... | 1,927 | 1,450 | |
| | Do. ... | Contract. | ... | 9 | ... | 549 | ... | ... | ... | ... | ... | 558 | |
| | Mineral products ... | Tons. | ... | ... | 62 | 21 | ... | ... | ... | ... | 62 | 21 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Saugor ... | Grazing buffaloes ... | No. | ... | ... | 33,395 | 10,626 | ... | ... | ... | ... | 33,395 | 10,626 |
| | Do. cows and bullocks | No. | ... | ... | 135,526 | 22,631 | ... | ... | ... | ... | 135,526 | 22,631 |
| | Do. goats ... | No. | ... | ... | 4,742 | 520 | .. | ... | ... | ... | 4,742 | 520 |
| | Do. sheep ... | No | ... | ... | 5,685 | 356 | ... | ... | ... | ... | 5,685 | 356 |
| | Do. ponies ... | No. | ... | ... | 744 | 116 | ... | ... | ... | ... | 744 | 116 |
| | Do. donkeys ... | No. | ... | ... | 11 | 1 | ... | ... | ... | ... | 11 | 1 |
| | Do. elephants ... | No. | ... | ... | 1 | 1 | .. | ... | .. | ... | 1 | 1 |
| | Do. other animals ... | No. | ... | ... | 67 | 12 | ... | .. | ... | ... | 67 | 12 |
| | Grass ... | Tons. | ... | ... | 438 | 343 | .. | ... | ... | ... | 438 | 343 |
| | Do. ... | Contract. | ... | ... | ... | 3,094 | ... | ... | ... | ... | ... | 3,094 |
| | Fruits and flowers ... | Tons. | ... | ... | 2 | 5 | .. | ... | ... | ... | 2 | 5 |
| | Do. ... | Contract. | ... | ... | ... | 1,859 | .. | ... | ... | ... | ... | 1,859 |
| | Skins and horns ... | Contract | ... | ... | ... | 1,724 | ... | ... | ... | ... | ... | 1,724 |
| | Miscellaneous products ... | Tons. | ... | ... | 547 | 678 | ... | ... | . | ... | 547 | 678 |
| | Do. ... | Contract. | ... | ... | ... | 5,758 | ... | . | . | ... | ... | 5,758 |
| | Mineral products ... | Tons. | ... | ... | 1,096 | 701 | ... | ... | ... | ... | 1,096 | 701 |
| | Do. ... | Contract. | ... | ... | ... | 1,329 | .. | ... | ... | ... | ... | 1,329 |
| | TOTAL NORTHERN CIRCLE ... | | ... | 14,199 | . | 333,751 | ... | ... | . | ... | ... | 3,47,950 |
| | GRAND TOTAL ... | | ... | 32,504 | ... | 6,71,753 | . | ... | .. | ... | | 7,04,257 |

# Abstract.

## Southern Circle.

| Description of Produce. | By Departmental Agency. | By purchasers. | Total. | Remarks. |
|---|---|---|---|---|
| | Tons. | Tons. | Tons. | |
| Other Minor Forest Produce. Grass ... ... | 52 | 26,050 | 26,102 | |
| Fruits and flowers ... ... | 45 | 162 | 207 | |
| Skins and horns ... ... | ... | 38 | 38 | |
| Miscellaneous products ... | 8 | 2,207 | 2,215 | |
| Hurra ... ... | 416 | 6 | 422 | |
| Total ... | 521 | 28,463 | 28,984 | |
| Mineral Products ... | .. | 3,344 | 3,344 | |

Animals grazed in the Forests during the year ... 1,683,490

| | | | |
|---|---|---|---|
| | Rs. | | Rs. |
| Total value as per Form No. 55 ... ... | ... | | 3,56,307 |
| *Deduct* Outstanding on account of sales of the year ... ... | 3,275 | ... | |
| „ Amount wrongly classified under R II instead of R II (*d*) ... | 12,175 | ... | |
| Do. do. do. R II (*a*) instead of R II (*c*) ... | 318 | | 15,768 |
| | | | 3,40,539 |
| *Add* Outstanding of previous year realized during the year ... | ... | | 4,457 |
| Total under R I (*e*) ... Rs. 18,305 | | | |
| Do. R II (*d*) „ 2,79,423 | | | |
| Do. R II (*e*) „ 47,268 3,44,996 ... | ... | | 3,44,996 |

## Northern Circle.

| Description of Produce. | By Departmental Agency. | By purchasers. | Total. |
|---|---|---|---|
| | Tons. | Tons. | Tons. |
| Other Minor Forest Produce. Grass ... ... | 259 | 11,674 | 11,933 |
| Fruits and flowers ... ... | ... | 9 | 9 |
| Skins and horns ... ... | 1 | 54 | 55 |
| Miscellaneous products ... | 347 | 4,825 | 5,172 |
| Total | 607 | 16,562 | 17,169 |
| Mineral Products ... | ... | 4,778 | 4,778 |

Animals grazed in the Forests during the year ... 1,325,892

| | | | |
|---|---|---|---|
| Total value as per Form No. 55 ... ... | ..... | | 3,47,950 |
| *Deduct* Outstanding on account of sales of the year ... | 11,855 | | 11,855 |
| | | | 3,36,095 |
| *Add* Amount received in advance during the year ... | 161 | | |
| „ Outstanding of previous year realized during the year ... | 380 | | |
| „ Amount omitted on account of fractions of Rupees ... | 5 | | 546 |
| R I (*e*) ... Rs. 14,643 | | | |
| R II (*d*) ... „ 2,72,313 | | | |
| R II (*e*) ... „ 49,685 | | | |
| 3,36,641 ... | ..... | | 3,36,641 |

# Abstract.

*Central Provinces (both Southern and Northern Circles.)*

| Description of Produce. | By Departmental Agency | By purchasers. | Total. | Remarks. |
|---|---|---|---|---|
| | Tons. | Tons. | Tons. | |
| Other Minor Forest Produce Grass ... ... ... | 311 | 37,724 | 38,035 | |
| Fruits and Flowers ... ... | 45 | 171 | 216 | |
| Skins and Horns – .. | 1 | 92 | 93 | |
| Miscellaneous Products ... ... | 355 | 7,032 | 7,387 | |
| Hurra ... ... ... | 416 | 6 | 422 | |
| Total ... | 1,128 | 45,025 | 46,153 | |
| Mineral Products ... | ... | 8,122 | 8,122 | |

Animals grazed in the Forests during the year ... 3,009,382

| | | | |
|---|---|---|---|
| | Rs. | | Rs. |
| Total value as per Form No. 55 ... ... .. | ... | | 7,04,257 |
| *Deduct* Outstanding on account of sales of the year ... ... ... | 15,130 | ... | |
| „ Amount wrongly classified under R II instead of R II *d* ... ... | 12,175 | .. | |
| Do. do. R II *a* instead of R II *e* .. | 318 | | 27,623 |
| | | | 6,76,634 |
| *Add* Amount received in advance during the year ... ... ... | 161 | | |
| „ Outstanding of previous year realized during the year ... ... ... | 4,837 | | |
| „ Amount omitted on account of fractions of Rupees ... ... ... | 5 | | 5,003 |
| R I *e* ... Rs. 32,948 ... ... | | | |
| R II *d* ... „ 5,51,736 ... ... | | | |
| R II *e* ... „ 96,953 ... ... | | | |
| Rs. 6,81,637 ... | ... | | 6,81,637 |

ANNUAL FORM No. 56.—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Account of Timber and other Produce cut or collected by Government agency, and brought to sale Depôt or sold locally during the year 1889-90.

| Particulars. | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|
| **Balance at commencement of the year—** | | | | |
| *Southern Circle.* | | | | |
| Teak logs ... | 27 | 529 | | |
| Teak sleepers B. G. ... | 2,672 | 9,276 | | |
| Do. N. G. ... | 620 | 1,033 | | |
| Teak sleepers 3′ × 6″ × 5″ ... | 556 | 347 | | |
| Do. 3½′ × 5″ × 5″ ... | 39 | 23 | | |
| Do. 3′ × 5″ × 5″ ... | 63 | 32 | | |
| Do. 3′ × 3″ × 3″ ... | 36 | 7 | | |
| Sleepers other than teak and sal B. G. ... | 2,230 | 7,744 | | |
| Teak scantlings ... | 5,197 | 4,154 | | |
| Teak planks ... | 185 | 67 | | |
| Planks other than teak and sal .. | 92 | 140 | | |
| Teak poles and pieces ... | 9 | .. | | |
| Poles and pieces other than teak and sal ... | 1,777 | ... | | |
| Teak fardas .. | 92 | 246 | | |
| Pit-props .. | 676 | 1,741 | | |
| Bambus ... | 4,837 | ... | | |
| Total ... | 19,108 | 25,339 | | |
| *Northern Circle.* | | | | |
| Sal logs .. | 15 | 657 | | |
| Sal sleepers 10′ × 10″ × 5″ ... | 1,966 | 6,817 | | |
| Sleepers other than teak and sal ... | 7 | 24 | | |
| Sal scantlings ... | 195 | 1,399 | | |
| Teak poles and pieces ... | 2 | .. | | |
| Bambus ... | 9,032 | ... | | |
| Do. pieces ... | 635 | .. | | |
| Grass Pcolas ... | 500 | . | | |
| Total ... | 12,352 | 8,897 | 31,460 | 34,236 |

| Particulars. | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|
| **Removed by purchasers from Depôts—** | | | | |
| *Southern Circle.* | | | | |
| Teak logs ... | 4 | 188 | | |
| Teak B. G. sleepers ... | 2,904 | 10,090 | | |
| Teak N. G. sleepers ... | 162 | 270 | | |
| Sleepers other than teak and sal ... | 622 | 2,160 | | |
| Teak scantlings ... | 1,681 | 1,628 | | |
| Teak planks ... | 314 | 110 | | |
| Planks other than Teak and Sal ... | 118 | 41 | | |
| Poles and pieces other than teak and sal ... | 2,586 | ... | | |
| Fardas other than Teak and sal ... | 2 | 11 | | |
| Pit props ... | 508 | 1,702 | | |
| Bambus ... | 11,722 | ... | | |
| Total ... | 20,623 | 16,200 | | |
| *Northern Circle.* | | | | |
| Sal logs .. | 7 | 254 | | |
| Sal sleepers 10′ × 10″ ×5″ ... | 1,532 | 5,307 | | |
| Sleepers other than teak and sal ... | 7 | 24 | | |
| Sal scantlings ... | 185 | 1,380 | | |
| Teak poles and pieces .. | 2 | ... | | |
| Poles and pieces other than teak and sal ... | 62 | ... | | |
| Bambus ... | 11,507 | ... | | |
| Do. pieces ... | 635 | ... | | |
| Ropes .. | 157 | ... | | |
| Total .. | 14,094 | 6,965 | 34,717 | 23,165 |

ANNUAL FORM No. 56—[ *Prescribed* ]—(Continued.)

| Particulars. | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|
| **Removed from Forests in Depôts—** | | | | |
| *Southern Circle.* | | | | |
| Teak logs .. | 4 | 188 | | |
| Poles and pieces other than teak and sal ... | 4,210 | ... | | |
| Pit props .. | 2,103 | 8,037 | | |
| Bambus ... | 14,372 | ... | | |
| Total ... | 20,689 | 8,225 | | |
| *Northern Circle.* | | | | |
| Poles and pieces other than teak and sal ... | 62 | ... | | |
| Boats ... | 1 | ... | | |
| Bambus .. | 2,475 | ... | | |
| Ropes ... | 157 | .. | | |
| Total .. | 2,695 | ... | 23,384 | 8,225 |
| **Received by conversion in Depots—** | | | | |
| *Southern Circle.* | | | | |
| Teak B G. sleepers ... | 3,442 | 11,951 | | |
| Sleepers other than teak and sal ... | 5 | 5 | | |
| Teak scantlings ... | 4 | 2 | | |
| Teak planks ... | 376 | 146 | | |
| Fardas other than teak and sal ... | 2 | 11 | | |
| Total ... | 3,829 | 12,115 | | |
| *Northern Circle.* | | | | |
| Sal sleepers 10′ × 10″ × 5″ .. | 397 | 1,376 | | |
| Sal scantlings .. | 73 | 605 | | |
| Total . | 470 | 1,981 | 4,299 | 14,096 |
| **Excess found—** | | | | |
| *Southern Circle.* | | | | |
| Teak planks ... | ... | 3 | | |
| Planks other than teak and sal ... | 26 | ... | | |
| Total ... | 26 | 3 | | |

| Particulars. | | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|---|
| **Decrease by re-measurement—** | | | | | |
| *Southern Circle.* | | | | | |
| Planks other than teak and sal | ... | ... | 99 | | |
| Total | ... | ... | 99 | | |
| *Northern Circle.* | | | | | |
| Sal sleepers 10′ × 10″ × 5″ | ... | . | 194 | | |
| Sal scantlings | ... | ... | 33 | | |
| Total | . | .. | 227 | ... | 326 |
| **Used Departmentally—** | | | | | |
| *Southern Circle.* | | | | | |
| Poles other than teak and sal | ... | 96 | ... | | |
| Teak fardas | ... | 2 | 2 | | |
| Bambus | ... | . 125 | ... | | |
| Total | ... | ... | ... | 223 | 2 |
| **Received from the Forests and sold locally—** | | | | 34,940 | 23,493 |
| *Southern Circle.* | | | | | |
| Logs other than teak and sal | ... | 17 | 178 | | |
| Sal sleepers 10′ × 10″ × 5″ | ... | 267 | 927 | | |
| Teak scantlings | . | 19,973 | 16,898 | | |
| Sal scantlings | ... | 2 | 19 | | |
| Teak planks | ... | 1 | 2 | | |
| Teak fardas | ... | 5,167 | 23,363 | | |
| Teak poles and pieces | ... | 6,020 | ... | | |
| Sal do. | ... | 2,479 | ... | | |
| Poles and pieces other than teak and sal | ... | 60,124 | ... | | |
| Experimental props | ... | 159 | 826 | | |
| Firewood | No. | 12 | ... | | |
| Do. Cart loads | ... | 1,918 | ... | | |
| Do. Kawar loads | ... | 7 | ... | | |
| Do. Head loads | ... | 964 | ... | | |
| Do | Mds. | 1,952 | ... | | |
| Charcoal | ,, | 30 | ... | | |
| Total | ... | ... | ... | | |

| | | | | | |
|---|---|---|---|---|---|
| *Northern Circle.* | | | | | |
| Sal sleepers 10' × 10" × 5" | ... | ... | 728 | | |
| Total | ... | ... | 728 | 26 | 731 |

Received from forests and sold locally—

| | | | | | |
|---|---|---|---|---|---|
| *Southern Circle.* | | | | | |
| Logs other than teak and sal | ... | 17 | 178 | | |
| Sal sleepers 10' × 10" × 5" | ... | 267 | 927 | | |
| Teak scantlings | ... | 19,973 | 16,893 | | |
| Sal scantlings | ... | 2 | 19 | | |
| Teak planks | ... | 1 | 2 | | |
| Teak fardas | ... | 5,167 | 23,863 | | |
| Teak poles and pieces | ... | 6,020 | ... | | |
| Sal do. | ... | 2,479 | ... | | |
| Poles and pieces other than teak and sal | .. | 60,124 | ... | | |
| Experimental props | ... | 159 | 826 | | |
| Firewood | No. | 12 | ... | | |
| Do. | Cart-loads | 1,918 | ... | | |
| Do. | Kawar-loads | 7 | ... | | |
| Do. | Head-loads | 964 | ... | | |
| Do. | Mds | 1,952 | ... | | |
| Chareoal | Mds | 30 | ... | | |
| Bambus | No. | 28,731 | ... | | |
| Do. for lance | No. | 41 | ... | | |
| Do. plants | No. | 91 | ... | | |
| Skins | Mds | 8 | ... | | |
| Horns | No. | 18 | ... | | |
| Flowers | Khandy | 198 | ... | | |
| Grass | Poolas | 73,966 | ... | | |
| Other minor produce | Mds. | 11,740 | ... | | |
| Do. | Cart-loads | 2 | ... | | |
| Do. | Head-loads | 58 | ... | | |
| Do. Bottles | No. | 7 | ... | | |
| Total | ... | 213,952 | 42,713 | | |
| *Northern Circle.* | | | | | |
| Sal logs | ... | 5 | 184 | | |
| Sal sleepers, 10' × 10" × 5" | ... | 56 | 194 | | |
| Do. 16' × 12" × 6" | .. | 110 | 821 | | |
| Sal fardas | ... | 562 | 462 | | |
| Sal scantlings | ... | 94 | 339 | | |
| Teak poles and pieces | ... | 18,770 | ... | | |
| Do. | Cart-loads | 20 | ... | | |
| Sal poles and pieces | ... | 3,968 | ... | | |
| Poles and pieces other than teak and sal | ... | 3,107 | ... | | |
| Boats | No. | 2 | ... | | |
| Fire wood | Mds | 740 | ... | | |
| Do. | Cart-loads | 112 | ... | | |
| Bamboos | No. | 43,611 | ... | | |
| Do. | Pieces | 647 | ... | | |
| Horns | No. | 6 | ... | | |
| Do. | Mds | 22 | ... | | |
| Hides | No. | 28 | ... | | |
| Grass | Poolas | 1,398,079 | ... | | |
| Other minor produce | Mds | 9,948 | ... | | |
| Do. | No. | 653 | ... | | |
| Ropes | No. | 50 | . | | |
| Total | ... | 1,480,590 | 2,000 | 1,694,542 | 44,713 |

ANNUAL FORM No. 56.—[*Prescribed*]—(Concluded.)

| Particulars. | | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|---|
| *Northern Circle.* | | | | | |
| Sal logs | ... | 5 | 184 | | |
| Sal sleepers 10′ × 10″ × 5″ | ... | 56 | 194 | | |
| Do. 17′ × 12″ × 6″ | .. | 110 | 821 | | |
| Sal fardas | .. | 562 | 462 | | |
| Sal scantlings | .. | 94 | 339 | | |
| Teak poles and pieces | ... | 18,770 | .. | | |
| Do. | Cart-loads | 20 | ... | | |
| Sal poles and pieces | ... | 3,968 | ... | | |
| Poles and pieces other than teak and sal | ... | 3,107 | ... | | |
| Boats | ... | 2 | ... | | |
| Firewood | Mds | 740 | ... | | |
| Do. | Cart-loads | 112 | ... | | |
| Bambus | ... | 43,611 | ... | | |
| Do. | Pieces | 647 | ... | | |
| Horns | No: | 6 | ... | | |
| Horns | Mds | 22 | ... | | |
| Hides | No | 28 | ... | | |
| Grass | Poolas | 1,398,079 | ... | | |
| Other Minor produce | Mds | 9,948 | ... | | |
| Do. | No. | 653 | ... | | |
| Ropes | ... | 50 | ... | | |
| Total | ... | 1,480,590 | 2,000 | 1,694,542 | 44,713 |

| Particulars. | | Number or quantity. | Cubic feet. | Total of each head. Number or quantity. | Total of each head. Cubic feet. |
|---|---|---|---|---|---|
| Confiscated and sold locally— | | | | | |
| *Southern Circle.* | | | | | |
| Logs other than teak and sal | ... | 17 | ... | | |
| Sal pieces | ... | 2 | ... | | |
| Firewood | cart loads | 2 | ... | | |
| Do. | head loads | 6 | ... | | |
| Bambus | No. | 587 | ... | | |
| Do. | kawar load | 1 | ... | | |
| Bambu materials | ... | 42 | ... | | |
| Other minor produce | head loads | 5 | ... | | |
| Total | ... | 662 | ... | | |
| *Northern Circle.* | | | | | |
| Drift and waif wood | No. | 599 | ... | | |
| Do. | cart loads | 294 | ... | | |
| Do. | head loads | 3 | ... | | |
| Building wood | No. | 2 | ... | | |
| Poles and pieces other than teak and sal | ... | 1 | ... | | |
| Boats | ... | 21 | ... | | |
| Fire wood pieces | Nos | 1 | ... | | |
| Do. | cart loads | 2 | ... | | |
| Do. | head loads | 9 | ... | | |
| Charcoal | cart loads | 2 | ... | | |
| Bambu materials | head loads | 5 | ... | | |
| Grass | cart loads | 1 | ... | | |
| Hide | No. | 1 | ... | | |
| Other minor produce | Maunds | 14 | ... | | |
| Do. | head loads | 2 | ... | | |
| Total | ... | 957 | ... | 1,619 | |

| | | | | | |
|---|---|---|---|---|---|
| Confiscated and sold locally— | | | | | |
| *Southern Circle.* | | | | | |
| Logs other than teak and sal | ... | 17 | .. | | |
| Sal pieces | ... | 2 | ... | | |
| Fire wood | Cart-loads | 2 | ... | | |
| Do. | Head-loads | 6 | ... | | |
| Bambus | Nos. | 587 | ... | | |
| Do. | Kawar loads | 1 | ... | | |
| Bambu materials | ... | 42 | ... | | |
| Other minor produce | Head loads | 5 | ... | | |
| | Total ... | 662 | ... | | |
| Confiscated and sold locally— | | | | | |
| *Northern Circle.* | | | | | |
| Drift and waif wood | No. | 599 | ... | | |
| Do. | Cart-loads. | 294 | | | |
| Do. | Head-loads | 3 | | | |
| Building wood | No. | 2 | | | |
| Poles and pieces other than teak and sal | No. | 1 | | | |
| Boats | No. | 21 | ... | | |
| Firewood pieces | No. | 1 | | | |
| Do. | Cart-loads. | 2 | ... | | |
| Do. | Head-loads.. | 9 | | | |
| Charcoal | Cart-loads. | 2 | | | |
| Bambu materials | Head-loads. | 5 | | | |
| Grass | Cart-loads. | 1 | | | |
| Hides | No. | 1 | ... | | |
| Other minor produce | Mds. | 14 | ... | | |
| Do. | Head-loads. | 2 | | | |
| | | 957 | ... | 1,619 | ... |
| | TOTAL ... | ... | ... | 1,755,330 | 102,001 |

| | | | | | |
|---|---|---|---|---|---|
| Balance at close of the year— | | | | | |
| *Southern Circle.* | | | | | |
| Teak logs | .. | 27 | 529 | | |
| Teak sleepers 3' × 5" × 5" | ... | 63 | 32 | | |
| Do. 3½' × 5" × 5" | ... | 39 | 23 | | |
| Do. 3' × 3" × 3" | ... | 36 | 7 | | |
| Do. 3' × 6" × 5" | ... | 556 | 347 | | |
| Teak B. G. sleepers | ... | 3,210 | 11,137 | | |
| Teak N. G. sleepers | ... | 458 | 763 | | |
| Sleepers other than teak and sal | ... | 1,613 | 5,589 | | |
| Teak scantling | ... | 3,520 | 2,528 | | |
| Balance at close of the year— | | | | | |
| *Southern Circle.* | | | | | |
| Teak planks | ... | 247 | 106 | | |
| Teak fardas | ... | 90 | 244 | | |
| Teaks poles | ... | 9 | ... | | |
| Poles and pieces other than teak and sal | ... | 3,305 | ... | | |
| Pit-props | ... | 2,271 | 8,076 | | |
| Bambus | ... | 7,362 | ... | | |
| | | 22,806 | 29,381 | | |
| *Northern Circle.* | | | | | |
| | | 8 | 403 | | |
| Sal logs | ... | 831 | 3,420 | | |
| Sal sleepers 10' × 10" × 5" | ... | 83 | 591 | | |
| Sal scantlings | ... | 1 | ... | | |
| Boats | ... | 500 | ... | | |
| Grass Poolas | ... | | | | |
| | | 1,423 | 4,414 | | |
| | | | | 24,229 | 33,795 |
| | TOTAL ... | ... | ... | 1,755,330 | 1,02,001 |

ANNUAL FORM No. 57—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES

Abstract showing the value of Timber and other produce at sale Depôts for the year 1889-90.

| Description of Timber and other Produce | On hand at commencement of the year | | | On hand at close of the year. | | | Difference in value. | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | Number. | C. ft | Value. | Number. | C. ft. | Value. | In favour of the year. | Against the year. | |
| *Southern Circle.* | | | Rs. | | | Rs. | Rs. | Rs. | |
| Teak logs ... ... | 27 | 529 | 225 | 27 | 529 | 203 | | | |
| Teak sleepers ... .. | 3,986 | 10,717 | 14,886 | 4,362 | 12,309 | 15,714 | | | |
| Sleepers other than teak and sal ... | 2,230 | 7,744 | 4,876 | 1,613 | 5,589 | 3,174 | | | |
| Teak scantlings .. | 5,197 | 4,154 | 3,563 | 3,520 | 2,528 | 1,955 | | | |
| Teak planks .. | 185 | 67 | 70 | 247 | 106 | 159 | | | |
| Planks other than teak and sal ... | 92 | 140 | 25 | ... | ... | ... | | | |
| Teak poles and pieces ... | 9 | ... | ... | 9 | ... | ... | | | |
| Poles and pieces other than teak and sal ... | 1,777 | ... | 255 | 3,305 | ... | 831 | | | |
| Teak fardas ... | 92 | 246 | 182 | 90 | 244 | 164 | | | |
| Different wood props ... | 676 | 1,741 | 914 | 2,271 | 8,076 | 6,813 | | | |
| Total ... | 14,271 | 25,338 | 24,996 | 15,414 | 29,381 | 29,013 | ... | ... | |
| *Northern Circle.* | | | | | | | | | |
| Sal logs ... ... | 15 | 657 | 1,315 | 8 | 403 | 600 | | | |
| Sal sleepers ... ... | 1,966 | 6,817 | 5,400 | 831 | 3,420 | 1,662 | | | |
| Sleepers other than teak and sal .. | 7 | 24 | 16 | ... | ... | ... | | | |
| Sal scantlings ... ... | 195 | 1,399 | 2,099 | 83 | 591 | 600 | | | |
| Teak poles and pieces ... | 2 | ... | 1 | ... | ... | ... | | | |
| Boat ... .. | ... | ... | ... | 1 | ... | 8 | | | |
| Total .. | 2,185 | 8,897 | 8,837 | 923 | 4,414 | 2,870 | ... | ... | |
| Total .. | 16,456 | 34,235 | 33,833 | 16,367 | 33,795 | 31,883 | ... | 1,950 | |
| *Southern Circle.* | | | | | | | | | |
| Bambus ... . .. | 4,837 | ... | 174 | 7,362 | ... | 294 | | | |
| Total .. | 4,837 | ... | 174 | 7,362 | ... | 294 | ... | | |
| *Northern Circle.* | | | | | | | | | |
| Bambus ... .. | 9,032 | ... | 108 | ... | ... | ... | | | |
| Bambu pieces ... ... | 635 | ... | 4 | ... | ... | ... | | | |
| Total ... | 9,667 | ... | 112 | ... | ... | ... | ... | | |
| Total .. | 14,504 | ... | 286 | 7,362 | ... | 294 | 8 | | |
| *Northern Circle.* | | | | | | | | | |
| Grass poolas ... .. | 500 | ... | ... | 500 | ... | ... | ... | ... | |
| GRAND TOTAL .. | 31,460 | 34,235 | 34,119 | 24,229 | 33,795 | 32,177 | ... | 1,942 | |

ANNUAL FORM No. 57 A—(Prescribed).

FOREST DEPARTMENT, CENTRAL PROVINCES.

Abstract showing the value of Live and Dead Stock for the year 1889-90.

| Description of timber and other produce. | On hand at commcement of the year. | | | On hand at close of the year. | | | Difference in vale. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | No. | C. ft. | Value. | No. | C. ft | Value. | In favor of the year. | Against the year. | |
| *Southern Circle.* | | | Rs. | | | Rs. | | | |
| Elephants ... ... | 3 | ... | 2,940 | 3 | ... | 2,352 | ... | ... | |
| Other Live Stock ... ... | 39 | ... | 221 | 38 | .. | 166 | ... | ... | |
| Machinery ... ... | ... | | 6,105 | ... | ... | 5,149 | ... | .. | |
| Other Dead Stock ... ... | . . | ... | 10,943 | .. | | 13,773 | ... | .. | |
| Total ... | 42 | ... | 20,209 | 41 | ... | 21,440 | 1,231 | . | |
| *Northern Circle.* | | | | | | | | | |
| Elephants ... ... | 2 | ... | 1,960 | 2 | .. | 1,568 | ... | ... | |
| Other Live Stock ... . | 60 | ... | 345 | 52 | ... | 244 | ... | ... | |
| Machinery .. .. | .. | .. | ... | .. | ... | ... | ... | ... | |
| Other Dead Stock ... ... | ... | ... | 8,754 | .. | ... | 8,448 | | ... | |
| Total | 62 | ... | 11,059 | 54 | ... | 10,260 | ... | 799 | |
| GRAND TOTAL ... | 104 | ... | 31,268 | 95 | ... | 31,700 | 432 | ... | |

ANNUAL FORM

FOREST DEPARTMENT,

Summary of Revenue of the different

| Budget Heads. | Direction. | Balaghat Division. | Betul Division. | Bhandara Division. |
|---|---|---|---|---|
| RECEIPTS. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| I.—Timber and other produce removed from the Forests by Government Agency— | | | | |
| a. Timber ... ... ... | ... | 200 4 0 | .. | 1,825 7 0 |
| b. Firewood and charcoal ... ... | ... | 158 10 0 | ... | 60 0 0 |
| c. Bamboos ... ... ... | ... | 754 12 0 | ... | ... |
| d. Sandal-wood ... ... | ... | ... | .. | ... |
| e. Grass and other minor produce ... | ... | 13,188 4 5 | ... | ... |
| II.—Timber and other produce removed from the Forests by consumers or purchasers .. | ... | 12,878 13 6 | .. | ... |
| a. Timber ... .. ... | ... | 785 3 6 | 11,611 10 6 | 3,206 3 9 |
| b. Firewood and charcoal ... .. | ... | 3,805 3 0 | 4,682 15 9 | 8,157 13 6 |
| c. Bamboos ... ... ... | ... | 7,045 2 11 | 7,353 7 5 | 4,653 11 3 |
| d. Grazing and fodder grass . ... | ... | 27,237 15 4 | 26,509 11 1 | 23,005 7 0 |
| e. Other minor produce ... ... | ... | 4,287 15 3 | 9,869 8 6 | 6,746 10 6 |
| III.—Drift and waif-wood, and confiscated forest produce ... ... ... | ... | 61 5 0 | 5 0 0 | 453 7 0 |
| IV.—Revenue from Forests not managed by Government— | | | | |
| a. Duty on foreign timber and other forest produce ... ... | ... | ... | ... | ... |
| b. Revenue from shared and private forests .. | ... | ... | ... | 5,716 12 0 |
| V.—Miscellaneous— | | | | |
| a. Fines and forfeitures ... ... | ... | 9 12 0 | 317 8 1 | ... |
| b. Refunds ... ... ... | 14 14 5 | ... | 2 9 10 | ... |
| c. Other sources ... .. | 2,913 15 4 | 821 3 6 | 1,849 4 9 | 335 10 3 |
| Total Receipts ... | 2,928 13 9 | 71,234 8 5 | 62,201 11 11 | 54,161 2 3 |
| A.—CONSERVANCY AND WORKS. | | | | |
| I.—Timber and other produce removed from the Forests by Government Agency— | | | | |
| a. Timber .. ... ... | 6 8 3 | 55 8 0 | ... | 115 8 0 |
| b. Firewood and charcoal ... .. | ... | 3 12 0 | ... | ... |
| c. Bamboos ... ... ... | ... | 455 4 6 | ... | ... |
| d. Sandal-wood ... ... | ... | ... | ... | ... |
| e. Grass and other minor produce ... | ... | 2,696 15 3 | ... | ... |
| II.—Timber and other produce removed from the Forests by consumers or purchasers ... | 12,897 11 0 | 6,594 9 7 | 8,864 7 5 | 4,147 7 3 |
| III.—Drift and waif-wood, and confiscated Forest produce ... ... ... | ... | ... | . | ... |
| IV.—Revenue from Forests not managed by Government— | | | | |
| a. Duty on foreign timber and other forest produce ... ... ... | ... | ... | ... | ... |
| b. Revenue from shared and private forests ... | ... | ... | ... | ... |

DATED CALCUTTA:

*The 12th June 1890.*

No. 58.—[*Prescribed*].

CENTRAL PROVINCES.

Divisions during 1889-90.

| Bilaspur Division. | Chanda Division. | Chhattisgarh Division. | Chhindwara Division. | Damoh Division. | Hoshangabad Division. |
|---|---|---|---|---|---|
| Rs. a. p. | Rs. a. p. | Rs a. p. | Rs. a. p. | Rs a. p. | Rs. a. p. |
| 625 2 0 | 29,886 5 7 | 77 3 0 | ... | ... | 2,160 6 3 |
| 109 15 6 | | 256 9 4 | ... | ... | 56 8 0 |
| 119 11 7 | 538 8 5 | .. | ... | ... | 21 0 0 |
| ... | . | ... | ... | ... | ... |
| 15 14 0 | 2,515 6 11 | 199 8 10 | 2,132 7 0 | ... | 85 15 0 |
| ... | 46,473 10 0 | 42 0 0 | ... | 2,001 5 0 | 6,928 4 0 |
| 591 13 6 | 11,864 14 4 | 10,270 14 7 | 2,315 2 1 | 4,643 8 6 | 20,128 5 9 |
| 1,474 12 5 | 4,579 6 10 | 12,653 3 6 | 2,393 6 6 | 3,832 8 3 | 6,304 5 3 |
| 1,741 8 6 | 13,362 14 0 | 1,492 15 8 | 3,046 2 8 | 1,661 4 9 | 17,443 6 9 |
| 13,504 15 7 | 54,463 4 9 | 33,474 4 4 | 35,696 7 7 | 33,309 9 9 | 33,341 13 9 |
| 627 8 8 | 15,381 5 9 | 8,813 1 7 | 3,154 6 7 | 2,382 2 0 | 5,297 10 9 |
| 446 8 0 | 576 13 6 | 299 11 0 | 290 8 0 | 2 0 0 | 363 2 0 |
| ... | ... | ... | ... | ... | ... |
| 3,575 0 0 | 820 0 0 | ... | ... | ... | ... |
| 70 12 2 | ... | ... | 11 10 11 | ... | 10 0 0 |
| 0 1 0 | 151 10 1 | ... | ... | ... | 10 7 6 |
| 135 5 9 | 1,571 15 5 | 11,119 12 0 | 436 8 9 | 35 13 0 | 4,544 14 9 |
| 23,039 0 8 | 1,82,186 3 7 | 78,699 3 10 | 49,476 12 1 | 47,868 3 3 | 96,696 3 9 |
| ... | 12,550 12 5 | 1,927 6 9 | ... | ... | .. |
| 67 4 6 | ... | 185 6 6 | ... | .. | .. |
| 41 13 3 | 415 5 0 | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | . |
| ... | 149 12 3 | 551 14 10 | 74 4 3 | ... | 25 0 0 |
| 3,549 5 3 | 7,481 15 10 | 11,749 0 7 | 4,047 2 8 | 5,291 11 5 | 5,946 11 5 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | |
| ... | ... | ... | . . | ... | ... |

Annual Form No.

| Budget Heads. | Jubbulpore Division. | Mandla Division. | Nagpur-Wardha Division. | Narsinghpur Division. |
|---|---|---|---|---|
| RECEIPTS. | Rs. a. p. | Rs. a. p. | Rs. a. p | Rs. a. p. |
| I.—Timber and other produce removed from the Forests by Government Agency— | | | | |
| a. Timber ... ... | 6,292 7 0 | 22,599 7 1 | 2,843 10 5 | 1,335 6 7 |
| b. Firewood and charcoal ... ... | 55 14 0 | ..... | 731 14 0 | ..... |
| c. Bamboos ... ... | 151 10 6 | 505 9 9 | 87 14 8 | ..... |
| d. Sandal-wood ... ... | ... | ..... | .. ... | ..... |
| e. Grass and other minor produce ... | 1,129 4 1 | 13,408 0 10 | 254 14 3 | 10 0 0 |
| II.—Timber and other produce removed from the Forests by consumers or purchasers .. | ... | 11,292 5 0 | ..... | ..... |
| a. Timber ... ... | 1,064 7 0 | 1,921 6 11 | 5,069 4 5 | 1,381 8 4 |
| b. Firewood and charcoal ... ... | 1,181 1 10 | 1,997 3 10 | 5,065 9 9 | 2,279 6 9 |
| c. Bamboos ... ... | 1,683 0 10 | 3,023 7 2 | 4,580 3 2 | 3,070 2 0 |
| d. Grazing and fodder grass... ... | 11,756 2 0 | 76,947 1 0 | 46,382 7 3 | 12,798 7 9 |
| e. Other minor produce ... ... | 2,428 14 0 | 10,361 5 2 | 3,482 4 10 | 4,912 13 0 |
| III.—Drift and waif-wood, and confiscated forest produce ... ... | 29 4 3 | 178 10 0 | 917 0 0 | 88 11 0 |
| IV.—Revenue from Forests not managed by Government— | | | | |
| a. Duty on foreign timber and other forest produce ... ... | ... | ..... | ..... | ..... |
| b. Revenue from shared and private forests ... | ... | ..... | ..... | ..... |
| V.—Miscellaneous— | | | | |
| a. Fines and forfeitures ... ... | 24 0 9 | 73 0 6 | 8 0 0 | ..... |
| b. Refunds ... ... | 2 6 9 | 59 1 8 | 1 0 0 | 3 7 0 |
| c. Other sources ... ... | 490 14 0 | 816 11 1 | 500 2 2 | 334 13 6 |
| Total Receipts .. | 26,279 7 9 | 1,43,183 6 0 | 69,424 4 11 | 26,214 11 11 |
| A.—CONSERVANCY AND WORKS. | | | | |
| I.—Timber and other produce removed from the Forests by Government Agency— | | | | |
| a. Timber ... ... | 1,949 0 0 | 4,431 0 11 | 613 11 0 | 289 6 10 |
| b. Firewood and charcoal ... ... | ..... | ..... | 166 10 0 | ..... |
| c. Bamboos ... .. | 55 6 0 | 193 8 3 | 9 14 0 | ..... |
| d. Sandal-wood ... ... | ..... | ..... | ..... | ..... |
| e. Grass and other minor produce ... | 952 3 7 | 2,599 14 1 | 12 4 0 | ..... |
| II.—Timber and other produce removed from the Forests by consumers or purchasers ... | 2,002 10 10 | 9,342 7 10 | 4,316 1 5 | 2,117 [illegible] 5 |
| III.—Drift and waif-wood and confiscated Forest produce .. ... | ..... | 3 13 9 | ..... | ..... |
| IV.—Revenue from Forests not managed by Government— | | | | |
| a. Duty on foreign timber and other forest produce | ..... | ..... | ..... | ..... |
| b. Revenue from shared and private forests ... | ..... | ..... | ..... | ..... |

58.—[*Prescribed*]—Continued.

| Nimar Division. | Sambalpur Division. | Saugor Division. | Seoni Division. | Total. | Remarks. |
|---|---|---|---|---|---|
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| 148 12 0 | ..... | ..... | ..... | 67,494 6 11 | |
| ..... | ..... | ..... | ..... | 1,429 6 10 | |
| ..... | ..... | ..... | ..... | 2,179 2 11 | |
| ..... | ..... | ..... | ..... | ..... | |
| 8 7 6 | ..... | ..... | ..... | 32,948 2 10 | |
| 861 0 0 | 12 0 0 | 980 0 0 | 5,272 13 0 | 86,742 2 6 | |
| 8,162 4 0 | 3,501 11 0 | 2,770 5 2 | 7,104 2 3 | 96,382 13 7 | |
| 12,721 13 11 | 3,274 2 10 | 3,600 10 8 | 5,354 9 7 | 83,358 6 2 | |
| 9,489 11 0 | 3,137 14 4 | 1,980 4 10 | 6,815 5 10 | 91,580 11 1 | |
| 39,948 9 11 | 3,407 10 9 | 37,700 11 10 | 42,251 8 8 | 5,51,736 4 4 | |
| 2,378 4 9 | 138 15 7 | 12,053 9 6 | 4,636 9 3 | 96,953 2 5 | |
| 267 0 0 | 132 1 10 | ..... | 110 1 9 | 4,221 3 4 | |
| ..... | ..... | ..... | ..... | ..... | |
| ..... | ..... | ..... | ..... | 10,111 12 0 | |
| 284 6 0 | 401 14 1 | 58 8 0 | 31 9 6 | 1,301 2 0 | |
| 4 4 8 | 173 6 6 | 14 10 0 | ..... | 437 15 5 | |
| 1,969 7 3 | 389 4 6 | 593 2 0 | 445 10 3 | 29,304 8 3 | |
| 76,244 1 0 | 14,569 1 5 | 59,751 14 0 | 72,022 6 1 | 11,56,181 4 7 | |
| 70 6 0 | ..... | 29 11 6 | ..... | 22,038 15 8 | |
| ..... | ..... | ..... | ..... | 423 1 0 | |
| ..... | ..... | ..... | ..... | 1,171 3 0 | |
| ..... | ..... | ..... | ..... | ..... | |
| ..... | ..... | ..... | ..... | 7,062 4 3 | |
| 5,341 9 10 | 2,179 7 9 | 7,165 2 9 | 4,507 2 8 | 1,07,542 4 11 | |
| ..... | 0 1 0 | ..... | ..... | 3 14 9 | |
| ..... | ..... | ..... | ..... | ..... | |
| ..... | ..... | ..... | ..... | ..... | |

J. BRIDGNELL,
Chief Superintendent,
Incharge Forest Accounts Branch.

ANNUAL FORM No. 58.—

| Budget Head. | Direction. | Balaghat Division. | Betul Division. | Bhandara Division. |
|---|---|---|---|---|
| A—CONSERVANCY AND WORKS.—(Contd). | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| V.—Rent of leased Forests and payments to shareholders in Forests managed by Government ... | ..... | ..... | ..... | ..... |
| VI.—Live Stock, Stores, Tools and Plant— | | | | |
| a. Purchase of cattle ... ... | ..... | ..... | ..... | ..... |
| b. Feed and keep of cattle ... ... | 1,184 8 1 | ..... | ..... | ..... |
| c. Purchase of stores, tools and plant ... | 3,832 8 0 | ..... | 72 8 0 | 234 8 0 |
| VII.—Communications and buildings— | | | | |
| a. Roads and bridges ... ... | ..... | 200 0 0 | 427 4 3 | ..... |
| b. Buildings ... ... | ..... | 345 3 6 | 127 13 6 | ..... |
| c. Other works ... ... | ..... | ..... | ..... | ..... |
| VIII.—Demarcation, Improvement and extension of Forests— | | | | |
| a. Demarcation ... ... | ..... | 178 10 8 | 504 10 9 | 255 15 3 |
| b. Compensation for land and rights ... | ..... | ..... | ..... | ..... |
| c. Surveys and working plans ... ... | 25 14 6 | ... | ..... | 3,230 0 0 |
| d. Sowing and planting ... ... | ..... | 143 0 9 | 1 12 0 | 155 10 0 |
| e. Protection from fire ... ... | ..... | 1,762 10 2 | 1,451 13 4 | 451 6 7 |
| f. Other works ... ... | ..... | 376 15 4 | 159 4 6 | 50 0 0 |
| IX.—Miscellaneous— | | | | |
| a. Refunds ... ... | ..... | ..... | ..... | ..... |
| b. Law charges ... ... | ..... | ..... | ..... | ..... |
| c. Other charges ... ... | 2,780 4 0 | ..... | 331 5 6 | 57 3 9 |
| TOTAL A.—CONSERVANCY AND WORKS ... | 20,727 5 10 | 12,812 9 9 | 11,940 15 3 | 8,697 10 10 |
| B.—ESTABLISHMENT. | | | | |
| I.—Salaries— | | | | |
| a. Conservators ... ... | 22,739 3 11 | ... | ... | ... |
| b. Superior officers ... ... | 11,158 10 4 | 3,000 0 0 | 6,600 0 0 | 6,530 0 0 |
| c. Subordinate Forest and Depôt establishments ... | 54 12 8 | 6,999 8 5 | 7,372 11 10 | 6,015 15 7 |
| d. Office establishments ... ... | 7,960 5 4 | 472 0 0 | 725 10 8 | 636 0 0 |
| e. Deputation and special allowances ... | ... | ... | ... | ... |
| II.—Travelling allowances— | | | | |
| a. Conservators ... ... | 2,317 8 0 | ... | ... | ... |
| b. Superior officers ... ... | 1,265 13 4 | 543 5 4 | 913 0 0 | 675 2 0 |
| c. Subordinate Forest and Depôt establishments ... | ... | ... | ... | ... |
| d. Office establishments ... ... | 266 1 5 | 14 10 8 | 37 2 8 | 54 4 0 |
| III.—Contingencies— | | | | |
| a. Stationery ... ... | 25 9 9 | 17 0 0 | ... | 8 5 0 |
| b. Carriage of tents and records ... ... | 1,436 13 4 | 263 5 6 | 606 9 7 | 266 3 11 |
| c. Rents, rates and taxes ... ... | 1,181 1 7 | ... | 300 0 0 | ... |
| d. Pay of Police guards ... .. | ... | ... | ... | ... |
| e. Official postage .. ... | 576 2 0 | 43 15 0 | 245 6 0 | 251 8 6 |
| f. Sundries ... ... | 1,211 14 5 | 79 6 0 | 215 12 7 | 184 0 3 |
| Total B.—Establishments ... | 50,194 0 1 | 11,433 2 11 | 17,016 5 4 | 14,621 7 3 |
| GRAND TOTAL OF EXPENDITURE ... | 70,921 5 11 | 24,245 12 8 | 28,957 4 7 | 23,319 2 1 |

*Dated Calcutta,*
*The 12th June* 1890.

[*Prescribed*].—Continued.

| Bilaspur Division. | Chanda Division. | Chattisgarh Division. | Chhindwara Division. | Damoh Division. | Hoshangabad Division. |
|---|---|---|---|---|---|
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. |
| ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 51 0 0 | 1,000 0 0 | ..... | ..... | ..... |
| ..... | 1,051 6 11 | 525 14 2 | ..... | ..... | 516 2 7 |
| 417 0 0 | 160 9 0 | ..... | 2 6 0 | 170 0 0 | ..... |
| 190 5 0 | 467 13 6 | ..... | ..... | ..... | 60 1 6 |
| 8 0 0 | 1,182 14 5 | 51 0 0 | 424 15 9 | 81 0 0 | 59 12 0 |
| ..... | 18 5 0 | ..... | ..... | ..... | ..... |
| 155 15 1 | 2,530 1 5 | 10 5 6 | 928 10 9 | 104 6 5 | 362 14 0 |
| ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 6,566 0 0 | 8,983 8 0 | ..... | ..... | ..... |
| 58 15 0 | ..... | ..... | ..... | 0 7 6 | ..... |
| 784 10 5 | 10,262 13 4 | 820 4 1 | 212 12 8 | ..... | 4,461 5 1 |
| 15 0 0 | 563 0 2 | 212 3 0 | ..... | 360 11 3 | 242 10 0 |
| 302 8 0 | 56 4 0 | 60 7 8 | ..... | ..... | ..... |
| ..... | 22 9 0 | ..... | ..... | ..... | ..... |
| 2 0 0 | 96 11 0 | 57 5 8 | 0 1 6 | 11 12 0 | 31 12 3 |
| 5,592 12 6 | 43,627 5 3 | 25,534 12 9 | 5,690 5 7 | 6,020 0 7 | 11,706 4 10 |
| ... | ... | ... | ... | ... | |
| 4,090 9 4 | 10,025 0 0 | 8,906 8 11 | 6,790 9 4 | 1,585 5 9 | 9,606 7 2 |
| 3,318 3 8 | 27,654 2 6 | 9,245 6 3 | 6,682 12 4 | 8,880 6 10 | 17,703 8 0 |
| 225 0 0 | 4,163 14 1 | 1,183 10 8 | 479 11 2 | 324 0 0 | 1,030 3 9 |
| ... | ... | ... | ... | ... | |
| ... | ... | ... | ... | ... | ... |
| 443 6 0 | 1,907 5 0 | 1,072 0 0 | 557 0 0 | 174 12 8 | 1,115 5 4 |
| ... | 213 3 4 | ..... | 4 12 0 | ... | 364 7 5 |
| ... | 101 10 8 | 39 1 10 | 51 0 0 | ... | 117 3 3 |
| ... | ... | .. | 13 7 0 | ... | 6 15 0 |
| 242 9 1 | 478 11 0 | 461 3 9 | 290 10 2 | ... | 587 0 3 |
| ... | ... | ... | ... | ... | 369 0 0 |
| ... | ... | ... | ... | ... | ... |
| 226 1 0 | 585 14 0 | 318 2 6 | 186 9 3 | 14 15 6 | 216 7 6 |
| 100 11 3 | 260 0 10 | 144 10 10 | 201 2 4 | 28 5 7 | 315 12 3 |
| 7,646 8 4 | 45,389 13 5 | 21,370 12 9 | 15,257 9 7 | 11,007 14 4 | 31,432 5 11 |
| 13,239 4 10 | 89,017 2 8 | 46,905 9 6 | 20,947 15 2 | 17,027 14 11 | 43,138 10 9 |

| Budget Head. | Jubbulpore Division. | Mandla. Division. | Nagpur-Wardha Division. | Narsinghpur Division. |
|---|---|---|---|---|
| | Rs. a. p. | Rs. a. p | Rs. a. p. | Rs. a. p. |
| A.—CONSERVANCY AND WORKS.—(Contd). | | | | |
| V.—Rent of leased Forests and payments to shareholders in Forests, managed by Government... | ... | ... | ... | ... |
| VI.—Live Stock, Stores and Tools and Plant:— | | | | |
| a. Purchase of Cattle ... ... | ... | ... | ... | ... |
| b. Feed and keep of Cattle ... ... | 148 15 6 | 870 11 4 | ... | ... |
| c. Purchase of Stores, and Tools and Plant... | 170 12 0 | 441 10 0 | 14 8 0 | 105 4 0 |
| VII.—Communications and Buildings:— | | | | |
| a.—Roads and Bridges .. ... | 2 6 0 | 463 9 5 | 37 8 6 | .. |
| b—Buildings ... .. | 38 5 6 | 610 12 5 | 159 11 3 | 120 5 6 |
| c.—Other Works ... ... | ... | 6 0 0 | 41 9 0 | ... |
| VIII.—Demarcation, improvement and extension of Forests— | | | | |
| a.—Demarcation ... ... | 884 11 5 | 1,646 2 10 | 839 15 3 | 74 2 6 |
| b.—Compensation for Land and Rights ... | ... | ... | ... | ... |
| c.—Surveys and Working Plans .. ... | 7,711 4 1 | 49 13 9 | ... | ... |
| d.—Sowing and planting ... ... | 5 13 6 | 54 8 0 | 5 0 9 | ... |
| e.—Protection from fire ... ... | 938 8 4 | 3,185 6 2 | 2,523 7 2 | 83 4 1 |
| f.—Other works ... ... | 2 0 6 | 250 7 6 | 78 12 0 | 35 5 0 |
| IX.—Miscellaneous— | | | | |
| a.—Refunds .. ... | ... | ... | ... | ... |
| b.—Law Charges .. ... | 0 9 0 | ... | ... | 2 4 0 |
| c—Other Charges ... ... | 1 0 0 | 234 4 1 | ... | ... |
| TOTAL A.—CONSERVANCY AND WORKS ... | 14,863 10 3 | 24,384 2 4 | 8,819 0 4 | 2,827 7 4 |
| B.—ESTABLISHMENT | | | | |
| I.—Salaries:— | | | | |
| a.—Conservators ... ... | ... | ... | ... | ... |
| b.—Superior officers ... ... | 4,768 7 11 | 14,845 2 6 | 6,788 11 4 | 2,838 5 4 |
| c.—Subordinate Forest and Depot establishments. | 4,962 8 9 | 15,379 4 5 | 14,564 15 3 | 3,148 15 6 |
| d.—Office establishments ... ... | 746 3 2 | 1,658 5 8 | 842 12 9 | 117 0 0 |
| e.—Deputation and special allowances ... | 18 1 8 | ... | ... | ... |
| II.—Travelling Allowances:— | | | | |
| a.—Conservators ... ... | .. | ... | ... | ... |
| b.—Superior officers ... ... | 1,018 2 0 | 1,341 8 0 | 1,753 2 5 | 815 6 0 |
| c.—Subordinate Forest and Depot establishments ... ... ... | 74 4 2 | 301 3 4 | 27 6 0 | 7 11 6 |
| d—Office establishments... ... .. | 40 10 6 | 142 0 0 | 24 15 4 | 30 11 9 |
| III—Contingencies:— | | | | |
| a.—Stationery ... ... ... | 13 14 0 | 19 14 3 | 11 0 0 | 8 0 0 |
| b.—Carriage of tents and records ... ... | 122 6 1 | 670 3 2 | 270 1 7 | 254 1 4 |
| c.—Rents, rates and taxes ... .. | ... | 245 0 0 | ... | ... |
| d.—Pay of Police guards ... .. | ... | ... | ... | ... |
| e.—Official postage ... .. ... | 34 9 6 | 155 7 0 | 468 15 0 | 100 3 6 |
| —Sundries ... .. ... | 130 3 2 | 424 3 11 | 154 11 10 | 121 7 4 |
| TOTAL B.—ESTABLISHMENTS ... | 11,929 6 11 | 35,182 4 3 | 24,906 11 6 | 7,436 14 3 |
| GRAND TOTAL OF EXPENDITURE... | 26,793 1 2 | 59,566 6 7 | 33,725 11 10 | 10,264 5 7 |

58.—[*Prescribed*].—(Contd.)

| Nimar Division. | Sambalpur Division. | Saugor Division. | Seoni Division. | Total. | Remarks. |
|---|---|---|---|---|---|
| Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| 251 7 0 | ..... | ..... | ..... | 251 7 0 | |
| ..... | ..... | ..... | ..... | 1,051 0 0 | |
| 44 4 0 | 275 4 2 | ..... | ..... | 4,617 2 9 | |
| 52 8 0 | 384 1 6 | 83 2 0 | ..... | 6,141 4 6 | |
| ..... | ..... | 38 0 0 | 1 8 0 | 1,888 8 2 | |
| 562 9 9 | 121 0 0 | 70 7 0 | 166 13 9 | 4,130 12 4 | |
| 5 0 0 | ..... | ..... | ..... | 70 14 0 | |
| 523 8 3 | 164 3 0 | 41 4 3 | 287 2 6 | 9,492 11 10 | |
| 176 15 11 | ..... | ..... | ..... | 176 15 1 | |
| 4 15 0 | ..... | ..... | ..... | 25,971 7 4 | |
| 23 4 0 | ..... | 20 7 3 | ..... | 468 14 9 | |
| 4,621 11 9 | ..... | 425 3 7 | 1,355 13 2 | 33,341 1 11 | |
| 333 7 0 | 48 0 0 | ..... | 246 6 0 | 2,974 2 3 | |
| 264 6 0 | ..... | 289 10 2 | ..... | 973 3 10 | |
| 14 3 0 | ..... | 2 12 0 | ..... | 42 5 0 | |
| 170 1 0 | 13 11 0 | 4 11 3 | 12 0 0 | 3,804 3 0 | |
| 12,460 3 8 | 3,185 12 5 | 8,170 7 9 | 6,576 14 1 | 2,33,637 13 4 | |
| ..... | ..... | ..... | ..... | 22,739 3 11 | |
| 9,774 0 5 | 3,350 0 0 | 10,800 0 0 | 7,796 12 4 | 1,29,249 10 8 | |
| 15,270 0 11 | 3,728 11 6 | 9,879 8 8 | 10,495 13 10 | 1,70,357 6 11 | |
| 1,595 0 11 | 120 0 0 | 462 9 9 | 800 0 0 | 23,542 7 11 | |
| ..... | ..... | ..... | ..... | 18 1 8 | |
| ..... | ..... | ..... | ..... | 2,317 8 0 | |
| 1,532 1 2 | 517 14 0 | 512 8 0 | 1,091 0 0 | 17,248 11 3 | |
| | | 16 13 4 | 190 9 2 | 1,310 13 2 | |
| 71 0 11 | 39 6 0 | ..... | ..... | 1,189 13 1 | |
| 182 5 0 | ..... | 7 12 0 | 80 4 0 | ..... | |
| 15 3 3 | 4 3 6 | ..... | 432 8 0 | 143 7 9 | |
| 814 14 10 | 112 9 4 | 228 7 6 | 200 0 0 | 7,538 6 5 | |
| ..... | ..... | ..... | ..... | 2,295 1 7 | |
| ..... | ..... | ..... | 196 12 7 | ..... | |
| 234 6 6 | 73 2 0 | 519 14 0 | 261 4 0 | 4,448 7 4 | |
| 511 3 6 | 265 3 7 | 81 5 10 | ..... | 4,691 7 6 | |
| 30,600 5 5 | 8,211 1 11 | 22,508 15 1 | 21,544 15 11 | 3,87,090 11 2 | |
| 42,460 9 1 | 11,396 14 4 | 30,679 6 10 | 28,121 14 0 | 6,20,728 8 6 | |

J. BRIDGNELL,
Chief Superintendent,
In charge Forest Accounts Branch.

ANNUAL FORM No. 59—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Account Current for the year 1889-90.

| | | | Rs. a. p. | | | | Rs. a. p. |
|---|---|---|---|---|---|---|---|
| To Cash Balance ... ... ... | ..... | | 1,093 1 11 | By Expenditure as per Annual Summary Form No. 58 | ..... | | 6,20,728 8 6 |
| „ VIII.—Assessed Taxes— | | | | „ Deposits ... ... ... ... | ..... | | 543 12 0 |
| Income Tax—Deductions from salaries ... | ..... | | 4,397 11 11 | | | | |
| „ Revenue as per Annual Summary, Form No. 58. | ..... | | 11,56,181 4 7 | „ Forest Cash Remittances—Local— | | | |
| „ Service Funds— | | | | Remittances to Treasuries ... ... | 11,03,658 0 9 | | ..... |
| Civil Fund—Ordinary Bengal— ... | ..... | | ..... | Inter-Divisional Transfers ... ... | 35,709 5 7 | | ..... |
| „ Additional, Bengal ... | ..... | | ..... | | | | 11,39,367 6 4 |
| Military Fund—Bengal ... ... | 243 0 0 | | ..... | | | | |
| „ Madras ... ... | 474 0 0 | | ..... | „ Advances Recoverable ... ... | ..... | | 4,36,047 9 5 |
| „ Orphan Fund—Bengal ... .. | 210 0 0 | | ..... | „ Suspense ... .... ... ... | ..... | | 69 1 2 |
| Uncovenanted Service Family Pension Fund—Bengal ... ... | 2,819 11 1 | | ..... | „ Account Current (other Governments)— | | | |
| General Family Pension Fund ... | 483 0 0 | | ..... | Remittances to the Government of India ... | 19,344 3 1 | | ..... |
| Hindu Family Annuity Fund ... | ..... | | | Do. Do. Bengal ... | 207 12 5 | | ..... |
| | | | 4,229 11 1 | Do. Do. Punjab .. | 29 9 8 | | ..... |
| „ Deposits ... ... ... | ..... | | 503 4 1 | Do. Do. Bombay... | 14,744 0 0 | | |
| „ Forest Cash Remittances—Local— | | | | | | | 34,325 9 8 |
| Forest cheques drawn ... ... | 5,57,811 11 0 | | ..... | | | | |
| Inter-Divisional Transfers ... ... | 35,699 6 4 | | | | | | |
| | | | 5,93,511 1 4 | „ Account current with Foreign States— | | | |
| „ Advances recoverable ... ... | ..... | | 4,42,565 15 9 | Berar Suspense Account ... ... | ..... | | 32 6 3 |
| „ Suspense ... ... ... | ..... | | 104 15 2 | | | | |
| „ Account Current (other Governments) ... | | | | „ Inter-Departmental Transfers— | | | |
| Remittances from Government of India ... | 32,330 14 8 | | ..... | Public Works Department State Railways ... | 22,997 4 4 | | ..... |
| Do. Bengal ... ... | 150 0 0 | | ..... | Do. Ordinary Branches ... | 2,171 8 0 | | ..... |
| Do. N. W. P. and Oudh ... | 110 8 6 | | ..... | | | | |
| Do. Panjab ... | 4,652 6 7 | | ..... | Military Department ... ... | ..... | | ..... |
| Do. Bombay ... | 768 0 7 | | ..... | Civil Department— | | | |
| Do. Assam ... | 550 0 0 | | ..... | | | | |
| | | | 38,561 14 4 | Jail ... ... Rs. 1,606 7 11 | ..... | | ..... |
| „ Inter-Departmental Transfers— | | | | School of Industry, Jubbulpore ... .. „ 254 6 10 | 1,860 14 9 | | |
| Public Works Department—State Railways | 28 0 0 | | ..... | | | | 27,029 11 1 |
| Military Department, Bombay .. | 38 0 3 | | ..... | | | | |
| Civil Department— | | | | | | | |
| Jail ... ... Rs. 13,257 14 1 | ..... | | ..... | „ Cash Balance ... ... ... | ..... | | 577 1 6 |
| School of Industry Jubbulpore ... „ 3,544 0 0 | ..... | | ..... | | | | |
| Mathematical Instrument Department „ 347 0 0 | ..... | | ..... | | | | |
| Miscellaneous ... „ 17 0 0 | ..... | | ..... | | | | |
| Survey of India Department ... „ 300 3 0 | ..... | | ..... | | | | |
| Police ... „ 40 0 0 | | | | | | | |
| | 17,506 1 1 | | 17,572 1 4 | | | | |
| | Total ... | | 22,58,721 1 6 | | Total ... | | 22,58,721 1 6 |

Dated Calcutta:
The 12th June 1890.

J. BRIDGNELL,
Chief Superintendent,
In charge Forest Accounts Branch.

ANNUAL FORM No. 60—(*Prescribed.*)

FOREST DEPARTMENT, CENTRAL PROVINCES.

Revenue received and Outstandings on account of Revenue during 1889--90.

| Division. | Particulars. | Outstandings at commencement of year. | Value of sales and other revenue during year. | Total. | Amount realised during year. | Balance due to the Department at end of year. | Remarks. |
|---|---|---|---|---|---|---|---|
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| *Southern Circle.* | | | | | | | |
| Direction ... | Timber and other produce. | .. | 2,928 13 9 | 2,928 13 9 | 2,928 13 9 | ... | |
| Balaghat ... | Do. | .. | 71,234 8 5 | 71,234 8 5 | 71,234 8 5 | ... | |
| Bhandara ... | Do. | 138 0 0 | 54,155 2 3 | 54,293 2 3 | 54,161 2 3 | 132 0 0 | |
| Bilaspur ... | Do. | 379 0 0 | 22,681 0 8 | 23,060 0 8 | 23,039 0 8 | 21 0 0 | |
| Chanda ... | Do. | 2,020 6 0 | 1,83,270 14 7 | 1,85,291 4 7 | 1,82,186 3 7 | 3,105 1 0 | |
| Chhindwara ... | Do. | 23 8 0 | 49,468 13 7 | 49,492 5 7 | 49,477 12 1 | 15 9 6 | |
| Nagpur-Wardha ... | Do. | ... | 69,424 4 11 | 69,424 4 11 | 69,424 4 11 | ... | |
| Raipur ... | Do. | ... | 78,699 3 10 | 78,699 3 10 | 78,699 3 10 | ... | |
| Seoni ... | Do. | ... | 72,022 6 1 | 72,022 6 1 | 72,022 6 1 | ... | |
| Sambalpur ... | Do. | 1,896 8 6 | 12,673 10 11 | 14,570 3 5 | 14,569 1 5 | 1 2 0 | |
| | Total ... | 4,457 6 6 | 6,16,558 15 0 | 6,21,016 5 6 | 6,17,741 9 0 | 3,274 12 6 | |
| *Northern Circle.* | | | | | | | |
| Betul ... | Do. | ... | 62,201 11 11 | 62,201 11 11 | 62,201 11 11 | ..... | |
| Damoh ... | Do. | .. | 59,518 3 3 | 59,518 3 3 | 47,868 3 3 | 11,650 0 0 | |
| Hoshangabad ... | Do. | ... | 96,696 3 9 | 96,696 3 9 | 96,696 3 9 | ..... | |
| Jubbulpore .. | Do. | 14,744 0 0 | 11,635 14 6 | 26,379 14 6 | 26,279 7 9 | 100 6 9 | |
| Mandla ... | Do. | 379 15 3 | 1,42,803 6 9 | 1,43,183 6 0 | 1,43,183 6 0 | ..... | |
| Narsinghpur ... | Do. | .. | 27,146 11 5 | 27,146 11 5 | 26,214 11 11 | 931 15 6 | |
| Nimar ... | Do. | ... | 76,244 1 0 | 76,244 1 0 | 76,244 1 0 | ..... | |
| Saugor ... | Do. | 246 13 6 | 59,751 14 0 | 59,998 11 6 | 59,751 14 0 | 246 13 6 | |
| | Total ... | 15,370 12 9 | 5,35,998 2 7 | 5,51,368 15 4 | 5,38,439 11 7 | 12,929 3 9 | |
| | GRAND TOTAL ... | 19,828 3 3 | 11,52,557 1 7 | 11,72,385 4 10 | 11,56,181 4 7 | 16,204 0 3 | |
| | Deduct amount received in advance ... | ... | ... | ... | ..... | 161 6 7 | |
| | Balance due to the Department ... | ... | ... | ... | ..... | 16,042 9 8 | |

ANNUAL FORM No. 61.—[*Prescribed.*]

FOREST DEPARTMENT, CENTRAL PROVINCES.

Outstandings and Liabilities on account of Contractors and Disbursers for 1889-90.

| Division. | Department Debtor. | | | Department Creditor. | | | Balance due. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | At commencement of year. | Recoveries in cash and value of supplies and work done during the year. | At close of year. | At commencement of year. | Payments made during year. | At close of year. | To Department (Outstandings.) | By Department. (Liabilities.) | |
| | | Rs. a. p. | Rs. a. p. | Rs. a. p. | Rs. a. p | Rs. a. p. | Rs. a. p. | Rs. a. p. | |
| Direction ... | ... | 34,875 3 10 | 34,875 3 10 | 651 3 8 | 34,278 6 7 | 34,929 10 3 | 66 9 8 | 12 3 3 | |
| Balaghat .. | ... | 28,052 3 5 | 28,052 3 5 | 721 0 1 | 28,378 2 5 | 29,099 2 6 | 1,046 15 1 | .. | |
| Betul ... | ... | 17,426 13 7 | 17,426 13 7 | 412 6 4 | 17,137 15 3 | 17,550 5 7 | 123 8 0 | ... | |
| Bhandara ... | ... | 9,600 7 6 | 9,600 7 6 | 495 8 3 | 9,469 13 6 | 9,965 5 9 | 364 14 3 | ... | |
| Bilaspur ... | ... | 6,698 0 11 | 6,698 0 11 | 485 9 0 | 7,235 11 8 | 7,721 4 8 | 1,023 3 9 | ... | |
| Chanda ... | ... | 1,00,041 14 1 | 1,00,041 14 1 | 8,675 5 0 | 96,983 8 4 | 1,05,658 13 4 | 5,616 15 3 | ... | |
| Chhattisgarh ... | ... | 29,494 8 8 | 29,494 8 8 | 2,962 9 4 | 28,146 8 0 | 31,109 1 4 | 1,614 8 8 | ... | |
| Chhindwara ... | ... | 12,127 8 6 | 12,127 8 6 | 39 1 2 | 12,217 8 10 | 12,256 10 0 | 129 1 6 | ... | |
| Damoh ... | ... | 569 11 3 | 569 11 3 | ... | 575 14 8 | 575 14 8 | 6 3 5 | ... | |
| Hoshangabad ... | ... | 30,841 11 3 | 30,841 11 3 | 1,688 0 5 | 30,365 6 4 | 32,053 6 9 | 1,211 11 6 | ... | |
| Jubbulpore ... | ... | 11,885 1 8 | 11,885 1 8 | 192 13 1 | 12,288 5 9 | 12,481 2 10 | 596 1 2 | ... | |
| Mandla .. | ... | 44,676 9 2 | 44,676 9 2 | 4,164 4 3 | 41,830 10 4 | 45,994 14 7 | 1,318 5 5 | ... | |
| Nagpur-Wardha ... | ... | 33,723 13 8 | 33,723 13 8 | 1,896 2 8 | 34,092 4 2 | 35,988 6 10 | 2,264 9 2 | ... | |
| Narsinghpur ... | ... | 9,609 3 2 | 9,609 3 2 | 131 12 4 | 9,489 11 2 | 9,621 7 6 | 12 4 4 | ... | |
| Nimar ... | ... | 34,710 2 10 | 34,710 2 10 | 572 10 9 | 35,406 0 1 | 35,978 10 10 | 1,268 8 0 | ... | |
| Sambalpur ... | ... | 1,731 3 0 | 1,731 3 0 | 99 14 11 | 1,727 13 10 | 1,827 12 9 | 96 9 9 | ... | |
| Saugor ... | ... | 18,987 3 10 | 18,987 3 10 | 308 3 1 | 19,022 0 7 | 19,330 3 8 | 342 15 10 | ... | |
| Seoni ... | ... | 17,514 7 5 | 17,514 7 5 | 277 5 4 | 17,401 11 11 | 17,679 1 3 | 164 9 10 | ... | |
| Total ... | ... | 4,42,565 15 9 | 4,42,565 15 9 | 23,773 13 8 | 4,36,047 9 5 | 4,59,821 7 1 | 17,267 10 7 | 12 3 3 | |

Dated Calcutta:
The 12th June 1890.

J. BRIDGNELL,
Chief Superintendent,
In charge Forest Accounts Branch.

ANNUAL FORM No. 62.—[*Prescribed.*]
FOREST DEPARTMENT, CENTRAL PROVINCES.
Financial Results of the year 1889-90.

| Division. | Timber and other produce removed from the forests by Government agency | | Other revenue. | | Formation, protection and improvement of forests. | Total. | | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | Receipts. | Charges. | Receipts. | Charges. | Charges. | Receipts. | Charges. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | |
| *Southern Circle.* | | | | | | | | |
| Direction .. | ... | ... | 2,929 | 2,385 | ... | 2,929 | 2,385 | |
| Balaghat ... | 14,303 | 5,258 | 56,932 | 12,923 | 9,449 | 71,235 | 27,630 | |
| Bhandara ... | 1,885 | 116 | 52,276 | 13,585 | 13,003 | 54,161 | 26,704 | |
| Bilaspur ... | 871 | 109 | 22,168 | 9,703 | 6,811 | 23,039 | 16,623 | |
| Chanda .. | 32,940 | 22,338 | 1,49,246 | 30,956 | 42,493 | 1,82,186 | 95,787 | |
| Chhattisgarh .. | 533 | 6,988 | 78,166 | 24,761 | 20,234 | 78,699 | 51,983 | |
| Chhindwara .. | 2,132 | 74 | 47,345 | 13,597 | 10,661 | 49,477 | 24,332 | |
| Nagpur-Wardha ... | 3,418 | 1,160 | 66,006 | 18,877 | 17,920 | 69,424 | 37,957 | |
| Sambalpur ... | ... | ... | 14,569 | 8,087 | 5,848 | 14,569 | 13,935 | |
| Sconi ... | ... | ... | 72,022 | 18,649 | 13,704 | 72,022 | 32,353 | |
| Total ... | 56,082 | 36,043 | 5,61,659 | 1,53,523 | 1,40,123 | 6,17,741 | 3,29,689 | |
| *Northern Circle.* | | | | | | | | |
| Betul .. | ... | ... | 62,202 | 19,899 | 12,442 | 62,202 | 32,341 | |
| Damoh ... | ... | ... | 47,86[illegible] | 14,18[illegible] | 5,384 | 47,86[illegible] | 19,566 | |
| Hoshangabad .. | 2,324 | 605 | 94,372 | 25,483 | 23,821 | 96,696 | 49,909 | |
| Jabalpur .. | 7,630 | 4,148 | 18,650 | 9,367 | 16,662 | 26,281 | 30,177 | |
| Mandla ... | 36,51[illegible] | 15,245 | 1,06,670 | 24,505 | 26,588 | 1,43,893 | 66,336 | |
| Narsinghpur ... | 1,345 | 290 | 24,870 | 7,844 | 3,822 | 26,215 | 11,956 | |
| Nimar ... | 157 | 70 | 76,087 | 23,961 | 23,506 | 76,244 | 47,537 | |
| Saugor .. | ... | 30 | 59,752 | 21,328 | 11,859 | 59,752 | 33,217 | |
| Total .. | 47,969 | 20,388 | 4,90,471 | 1,46,567 | 1,24,084 | 5,38,440 | 2,91,039 | |
| Total .. | 1,04,051 | 56,431 | 10,52,13[illegible] | 3,00,090 | 2,64,20[illegible] | 11,56,181 | 6,20,728 | |

# APPENDICES.

# Appendix A.

## Classification of Government Forests in the Central Provinces.

| Division. | Reserved Forests. | | | | | | | | Unclassed State Forests. | | Grand Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Class A. | | Class B. | | Class B I. | | Total. | | | | | |
| | Acres. | Equivalent in square miles. | Acres. | Equivalent in square miles. | Acres. | Equivalent in square miles. | Acres. | Equivalent in square miles. | Acres. | Equivalent in square miles. | Acres. | Equivalent in square miles. |
| **Southern Circle.** | | | | | | | | | | | | |
| Nagpur ... | 85,460 | 134 | 245,425 | 383 | ... | ... | 330,885 | 517 | 4,058 | 6 | 334,943 | 523 |
| Bhandara .. | 243,407 | 380 | 109,431 | 171 | ... | ... | 352,838 | 551 | ... | ... | 352,838 | 551 |
| Chanda ... | 734,494 | 1,148 | 1,482,026 | 2,316 | ... | ... | 2,216,520 | 3,463 | ... | ... | 2,216,520 | 3,463 |
| Wardha ... | 128,034 | 200 | ... | ... | ... | ... | 128,034 | 200 | ... | ... | 128,034 | 200 |
| Balaghat ... | 467,621 | 730 | 182,181 | 285 | ... | ... | 649,802 | 1,015 | 62,135 | 97 | 711,937 | 1,112 |
| Seoni ... | 324,031 | 506 | 168,510 | 263 | 3,452 | 5 | 495,993 | 775 | 122,050 | 191 | 618,043 | 966 |
| Chhindwara ... | 104,170 | 163 | 347,537 | 543 | ... | ... | 451,707 | 706 | 679 | 1 | 452,386 | 707 |
| Raipur ... | 454,108 | 710 | 430,720 | 673 | ... | ... | 884,828 | 1,383 | 1,382 | 2 | 886,210 | 1,385 |
| Sambalpur ... | ... | ... | 252,141 | 394 | ... | ... | 252,141 | 394 | ... | ... | 252,141 | 394 |
| Bilaspur ... | 414,891 | 648 | ... | ... | ... | ... | 414,891 | 648 | ... | ... | 414,891 | 648 |
| Total ... | 2,956,216 | 4,619 | 3,217,971 | 5,028 | 3,452 | 5 | 6,177,639 | 9,653 | 190,304 | 297 | 6,367,943 | 9,950 |
| **Northern Circle.** | | | | | | | | | | | | |
| Jubbulpore ... | 33,260 | 52 | 210,582 | 329 | ... | ... | 243,842 | 381 | ... | ... | 243,842 | 381 |
| Saugor ... | 42,095 | 66 | 439,996 | 687 | ... | ... | 482,091 | 753 | .. | ... | 482,091 | 753 |
| Damoh ... | ... | ... | 523,056 | 817 | ... | ... | 523,056 | 817 | 13,343 | 21 | 536,399 | 838 |
| Mandla ... | 540,024 | 844 | 1,267,895 | 1,981 | 112,946 | 176 | 1,920,865 | 3,001 | ... | ... | 1,920,865 | 3,001 |
| Betul ... | 331,401 | 518 | 397,592 | 621 | ... | ... | 728,993 | 1,139 | ... | .. | 728,993 | 1,139 |
| Hoshangabad ... | 464,646 | 726 | 748,360 | 1,169 | ... | ... | 1,213,006 | 1,895 | ... | ... | 1,213,006 | 1,895 |
| Nimar ... | 729,322 | 1,140 | 302,520 | 473 | 124,340 | 194 | 1,156,182 | 1,807 | ... | ... | 1,156,182 | 1,806 |
| Narsinghpur .. | 127,621 | 199 | 40,024 | 63 | . | ... | 167,645 | 262 | ... | ... | 167,645 | 262 |
| Total ... | 2,268,369 | 3,544 | 3,930,025 | 6,141 | 237,286 | 371 | 6,435,680 | 10,056 | 13,343 | 21 | 6,449,023 | 10,077 |
| Grand Total ... | 5,224,585 | 8,163 | 7,147,996 | 11,169 | 240,738 | 376 | 12,613,319 | 19,708 | 203,647 | 318 | 12,816,966 | 20,026 |

Note.—Length of natural boundaries has not been included in this return

# Appendix B.

## Statement showing the condition of the boundaries of the Reserved Forests in the Central Provinces at the close of the year 1889-90.

| Division. | Artificial boundaries, external and internal. | | | | | | Boundary lines cleared. | | | | Boundary marks built or repaired. | | | | Cost of work. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Length of external boundaries at the commencement of the year. | External (artificial) boundaries added during the year. | Total length of (external) artificial boundaries. | Length of internal boundaries at the commencement of the year. | Internal boundaries added during the year. | Total length of internal artificial boundaries. | Length of new lines cleared during the year. | Length of existing lines cleared during the year. | Length of lines left uncleared. | Total length of lines maintained. | Number of new boundary marks built. | Number of old marks repaired. | Number of boundary marks left unrepaired. | Total number of marks maintained. | New works done. | Repairs of existing boundaries. | |
| **SOUTHERN CIRCLE.** | Miles. | Miles. | Miles. | Miles. | Miles. | Miles. | Miles. | Miles. | Miles | Miles. | | | | | Rs. a. p | Rs. a. p. | |
| Nagpur ... | 756 | ... | 756 | 1 | ... | 1 | ... | 323 | 434 | 757 | ... | 774 | 1,838 | 2,612 | ... | 428 14 6 | |
| Bhandara ... | a 1,000 | ... | 1,000 | ... | ... | ... | ... | 960 | 40 | 1,000 | 1,027 | ... | ... | 1,027 | 126 11 10 | ... | (a) Not measured but estimated. |
| Wardha ... | 116 | ... | 116 | ... | ... | .. | ... | 116 | ... | 116 | ... | 771 | 89 | 860 | ... | 105 7 6 | |
| Balaghat ... | 603 | ... | 603 | 403 | ... | 403 | ... | 931 | 75 | 1,006 | 558 | 2,410 | 105 | 3,073 | ... | ... | The clearing of boundaries was effected by allowing the wood cut in the line to be removed by the labourers in lieu of wages. |
| Chanda ... | 1,396 | 395 | 1,791 | 48 | ... | 48 | 385 | 1,454 | ... | 1,839 | 2,862 | 2,017 | 15,772 | 20,651 | 1,820 0 0 | 156 0 0 | |
| Seoni ... | 928 | ... | 928 | 23 | ... | 23 | ... | *951 | ... | 951 | ... | 281 | 3,083 | 3,364 | 72 0 0 | 439 7 3 | * With a few exceptions the lines have been re-cleared during the year. |
| Chhindwara ... | 1,283 | ... | 1,283 | 49 | ... | 49 | ... | 1,332 | ... | 1,332 | ... | 4,409 | 2,063 | 6,472 | ... | 927 0 0 | |
| Raipur ... | 1,279 | ... | 1,279 | ... | ... | ... | ... | 1,279 | ... | 1,279 | ... | 10,243 | - | 10,243 | ... | 5 5 6 | |
| Bilaspur ... | 328 | ... | 328 | 26 | ... | 26 | ... | 261 | 93 | 354 | 446 | ... | 2,180 | 2,626 | ... | ... | Work done by Forest guards, hence no cost shown. |
| Sambalpur ... | 347 | ... | 347 | 69 | ... | 69 | ... | 416 | ... | 416 | 437 | ... | 552 | 989 | 120 7 0 | 42 12 0 | |
| Total ... | 8,036 | 395 | 8,431 | 619 | .. | 619 | 385 | 8,023 | 642 | 9,050 | 5,330 | 20,905 | 25,682 | 51,917 | 2,139 2 10 | 2,104 14 9 | |
| **NORTHERN CIRCLE.** | | | | | | | | | | | | | | | | | |
| Jubbulpore .. | 101 | ... | 101 | ... | ... | ... | ... | 101 | ... | 101 | ... | ... | 485 | 485 | ... | 764 10 10 | Boundary of only A Class Forests. Length of boundary of the B Class reserves cannot be given for the past year; it is, however, hoped that the data will be available by the close of the current year |
| Saugor ... | 206 | ... | 206 | 16 | ... | 16 | ... | 206 | 16 | 222 | ... | ... | 2,867 | 2,867 | ... | 2 11 9 | Boundary of only A Class Forests. The length of boundary of the B Class reserves is not yet known, but the lines have been cleared from one boundary mark to another. |
| Mandla ... | 759 | 512 | 1,271 | 109 | 136 | 245 | 648 | 868 | ... | 1,516 | 3,489 | 4,743 | 839 | 9,071 | 1,622 0 0 | 24 0 0 | |
| Betul ... | 1,235 | 10 | 1,245 | 141 | 9 | 150 | 10 | 1,332 | 53 | 1,395 | 281 | 2,470 | 7,847 | 10,598 | 35 10 0 | 470 4 0 | |
| Hoshangabad .. | 883 | ... | 883 | 164 | ... | 164 | ... | 1,047 | ... | 1,047 | 683 | 4,092 | 1,383 | 6,158 | .. | 362 14 0 | |
| Nimar ... | 555 | ... | 555 | 17 | ... | 17 | 11 | 467 | 94 | 572 | 975 | ... | 10,254 | 11,229 | 344 2 6 | ... | Boundary of only A Class reserve. The information for the B Class reserves cannot be given now. |
| Narsinghpur ... | 370 | ... | 370 | 6 | ... | 6 | ... | 376 | ... | 376 | 1,422 | 2,646 | ... | 4,068 | ... | 74 2 6 | |
| Damoh ... | ... | ... | ... | 129 | ... | 129 | ... | ... | 129 | 129 | 24 | ... | ... | 24 | 46 0 0 | ... | The length of external boundaries not yet measured. |
| Total ... | 4,109 | 522 | 4,631 | 582 | 145 | 727 | 669 | 4,397 | 292 | 5,358 | 6,874 | 13,951 | 23,675 | 44,500 | 2,047 12 6 | 1,698 11 1 | |
| GRAND TOTAL FOR THE PROVINCE. | 12,145 | 917 | 13,062 | 1,201 | 145 | 1,346 | 1,054 | 12,420 | 934 | 14,408 | 12,204 | 34,856 | 49,357 | 96,417 | 4,186 15 4 | 3,803 9 10 | |

# Appendix C.

*Working Plans Officers' Report for* 1889-90.

A Working Plans branch was formed during the year, and taken charge of by Mr. Dickinson on the 7th December 1889. During December the Bijeragogarh forests were examined with a view to ascertaining their capability for supplying pit-props to the Umaria Colliery.

2. From the 2nd of January to the 17th February, Mr. Dickinson was absent on special duty with the Inspector-General of Forests in Coorg.

He spent the remainder of February and March in examining the forests in west Mandla and the Lower Gour forest, and collecting data for working plan for them.

3. It has been found impossible to obtain information regarding the previous outturn of each forest or even of each group of forests nor of the demand on them. These figures will have to be estimated, but for the future we may hope to have such information compiled at any rate as regards groups of forests which will give us something to go on.

4. Nothing was to be found on record in the Conservator's office, as to which forests most required Working Plans, but it was soon evident that it is not the remote old 1st class reserves that require first consideration, it is the forests near cultivated and populous districts that have for years stood the brunt, supplying the needs of the people and have consequently been over-worked which require immediate attention.

5. It is these then that the Working Plans Officer proposes to bring under systematic management, first while at the same time collecting data for the old first class Reserves so that at any time that it may be necessary working plans can be got ready for them.

6. There is already valuable information on record regarding the standing stock in the sal forests of Mandla, and the Ahiri and Mohadli forests in Chanda.

Similar information is required for all classes of forests in all Divisions, either by linear stock enumeration in heavy forest, or felling with careful measurement of the fall in the case of forest which it is intended to treat as coppice.

7. It is also to be desired that Divisional Officers should draw up descriptions of the most heavily worked forests in their Division state the nature and as nearly as may be the extent of the demand on them, and how the forest may be divided or grouped for working, so as to satisfy this demand in the manner best suited to the population and to the conservation of the forest.

J. B. DICKINSON,

Deputy Conservator of Forests,
Working Plans Division.

# APPENDIX D.

## Chief Commissioner's Notification No. 3556, dated the 12th June 1890.

The following Rules made by the Chief Commissioner under Section 75 (*d*) of Act VII of 1878 (as amended by Act V of 1890) are published for general information.—

I. All officers exercising powers under Section 67 of Act VII of 1878 (as amended by Act V of 1890) shall record all cases disposed of by them in a register, which shall set forth the following particulars :—

(*a*) the serial number ;

(*b*) the date of the commission of the offence ;

(*c*) the date of the report, or complaint or discovery of the offence ;

(*d*) the name, parentage, residence and social status of the offender ;

(*e*), the alleged offence and the Section of the Forest Act under which it comes ;

(*f*) if the offence charged be of the nature of theft, the value of the produce taken ; if the offence be causing of damage, the sum at which the damage is assessed ;

(*g*) abstract of the enquiry made, of the offender's statement, and of the decision arrived at ;

(*h*) the signature or mark of the offender affixed, in token that he consents to compound by paying the sum demanded.

II. Each case in the register shall be signed by the Officer deciding it, with the date of the decision.

III. A monthly return (in the form of a copy made on loose sheets) of all such cases shall be submitted direct to the Conservator of the Circle by each officer, by the 15th of the month succeeding that to which the return relates.

# Appendix E.

## Notes on natural Reproduction recorded by Forest Divisional Officers during 1889-90.

| Circle. | Forest Division. | Block or Reserve. | Particulars. | Where recorded in the Divisional Forest Report. |
|---|---|---|---|---|
| SOUTHERN. | Nagpur ... | Nurhar ... | Reproduction specially good in the fire protected forests which are also closed to grazing. | Annual Forest Report for 1889-90, para. 35. |
| | ... | Sylari Khapa .. | Reproduction very marked in parts of this block | |
| | Bhandara ... | ... | Reproduction is chiefly from stools, and owing to the pernicious system of cutting when produce is sold on license, the results are not satisfactory. In the unprotected forests reproduction from seed is rare. | Do. do., para. 58. |
| | ... | Bawanthari ... | In the open forests of this block, seeds of most species appear to germinate freely, but very few survive more than year or two owing to heavy grazing, forest fires, &c. Seedlings of teak succeed better than those of most other species, and are frequently met with in places where seed bearers of this species exist. | |
| | Chanda ... | ... | In most forest areas, where cutting is limited and which are not specially protecetd from fire, reproduction of the better species struggles along, but still it is there more or less, as the conditions of the soil and moisture are favourable or not. | Do. do., para. 38. |
| | ... | Moharli ... | Reproduction specially good in the fire-protected areas. The bamboo has been greatly improved. Bija sal and Khair seedlings are plentifully scattered about, teak and ein are backward due to the heavy carpet of grass on the ground. | |
| | ... | Ahiri .. | Reproduction of teak is somewhat handicapped in the struggle for existence, and will have to be encouraged by thinning out inferior species, bamboo has been greatly improved. | |
| | ... | Sironcha ... | Reproduction in areas open to grazing and to the extraction of forest produce by commutors nil. Conditions of hardwickia most promising in certain places. There has been a gregarious flowering of Dendrocalamus, by which all the bamboo clumps, excepting a few isolated clumps along the high ground, are now dead, the ground below being strewn with a carpet of young seedlings. | Do. do., para. 39-40. |
| | Wardha ... | ... | Reproduction good in the fire protected areas closed to grazing, but in areas open to grazing it is very much interfered with. | Do. do., para. 31. |
| | Balaghat ... | ... | Reproduction in the forests open to grazing and unprotected from fire goes on only in localities favourable as regards soil, shade, situation and moisture, but in the areas protected from cattle and fire, numerous seedings come up every year, and where there are seed-bearing trees the seedlings literally cover the ground. A fair proportion of the seedlings survives and forms a dense growth, by which a struggle for existence ensues when the vigorous ones suppress the weaker, and thus effect a natural thinning. | Do. do., para. 41. |
| | Seoni ... | ... | In the forests under protection from fire, reproduction for the most part is all that can be desired, but in the vast unprotected areas it is not only at a stand still but deterioration is steadily going on. | Do. do., para. 23. |

| Circle. | Forest Division. | Block or Reserve. | Particulars. | Where recorded in the Divisional Forest Report. |
|---|---|---|---|---|
| SOUTHERN.—(contd.) | Chhindwara ... | Jottikhapa .. | In the fire protected block which has escaped fire now for some years, reproduction of teak, saj, &c., is very marked, and in those parts of other forests which have escaped fire and have been closed against all cuttings, it is good. | Annual Forest Report for 1889-90, para. 20. |
| | Raipur ... | Kantranala .. | Reproduction is most apparent in the areas from which fires and grazing have been excluded for many years. | ..... |
| | ... | Ranikhole ... | Reproduction is most apparent in the fire protected area, but in a somewhat less degree. | ..... |
| | ... | ... | Also in other favorable places in the open forests, such as along the Sondur river, and in some of the Sihawa South forests. In two of the areas set apart for the measurement of the growth of sal, in which the excess trees had been cut out last year, the growth from stools is singularly good. | Do. do., paras. 31 and 32. |
| | Bilaspur ... | Hathibari .. | In the areas protected from fire and grazing, reproduction is good, fresh seedlings spring up every year, teak especially being vigorous. | |
| | ... | Lormi | Reproduction of sal and saj good, due to the great seeding power of the sal which gets a good hold during the rains and can withstand the fires. All species along the banks of the Maniari show good reproduction, but the sal as every where predominates. | Do. do., paras. 41 to 44. |
| | ... | ... | In one place near Deosara by the side of Sagwan Nala, teak shows some reproductions, but other species predominate. | |
| | Sambalpur ... | ... | Some reproduction takes place in certain forests. Seedlings spring up and grow during one season and then get burnt down several years till finally there is a rest from fires, and they shoot up and get beyond the age and size at which they are liable to be destroyed by fire | Do. do. para. |
| NORTHERN | Jabalpur ... | ... | Reproduction good throughout and much the same as in previous years. | Do. do., para. 29. |
| | Saugor ... | ... | No mention made in the Annual Forest Report. | |
| | Damoh ... | ... | Reproduction is in a fair condition in forests closed to cutting and grazing as also in good as also in soil situated on the banks of rivers and nalas. | |
| | ... | Mariadoh ... | Reproduction is excellent, especially teak in this area which (he is told) has escaped fire for the last 20 or 25 years. | Do. do., para. 15. |
| | Mandla ... | Topla ... | Reproduction is best in this reserve. | |
| | ... | Jugmandal ... | Reproduction is best in this reserve, teak and tinsa seedlings are plentiful at Sarella owing to the arrival at maturity of seed-bearers. | |
| | ... | Airi ... | A large number of seedlings were killed this year by frost which was unusually severe. In the other "A" Class reserves, reproduction is as good as can be expected under existing circumstances, which in some reserves, such as "Barela" are by no means good, owing to the rocky nature of the soil. | Do. do., para. 59. |

| Circle. | Forest Division. | Block or Reserve | Particulars. | Where recorded in the Divisional Forest Report. |
|---|---|---|---|---|
| NORTHERN.—(contd) | | B Class Reserves (open to fire and grazing.) | Reproduction not progressing favorably, neither does there appear any remedy for this in the immediate future without a considerable expenditure or loss of revenue. | Annual Forest Report for 1889-90, para. 58. |
| | | A Class Reserves | Reproduction in the areas protected from fire and grazing for any appreciable length of time is all that can be desired. In some localities or portions of reserves it is better than in others, but this is due to accidental causes, it is believed, and no special reasons can be ascribed for its existence beyond the fact that the conditions necessary for natural reproduction have been more favourable in those places. | Do. do, para. 56. |
| | Hoshangabad ... | ... | No mention made in the Annual Forest Report. | |
| | Betul ... | ... | No mention made in the Annual Forest Report. | |
| | Nimar ... | ... | Reproduction very slow in the forests protected from fire. Much reproduction cannot be expected from Punassa and Chandgarh, as they have been subject to disastrous fires for years, but in Khandwa, which has fairly well escaped fire, there is very little to show for the money spent. Mandwa and Arakhera, being newly taken up for fire protection, have not had time to show any result. | Do. do. para. 5 |
| | Narsinghpur ... | ... | Reproduction of the valuable species, as a rule, is poor, especially so in the plains due to excess grazing. The hill-slopes of Chougan and Salechauka present a more favourable appearance, owing to the soil being free and well covered, and therefore favourable for the germination of seeds. | |
| | | Salechouka ... | Reproduction of bijasal is very good, and hundreds of seedlings are found in the neighbourhood of a seed-bearing tree, to which protection from fire and grazing has been afforded. In parts of this block, where the soil is rich, sandy-loom, teak seedlings frequently occur, but generally the poles and saplings met with are coppice shoots. | Do. do., para. 23. |
| | | | Tinsa and tendu seedlings are common in all parts of the forests. | |
| | | | Anjan seedlings and saplings cover large areas in Salechouka and in parts they completely cover the ground. | |

# Appendix F.

Notes on artificial Reproduction recorded by Forest Divisional Officers, Central Provinces, during 1889-90.

| Circle. | Forest Division. | Block or Reserve. | Species planted out. | Number. | Cost. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | |
| Southern .. | Bhandara .. | Dudhara Reserve. | ... | .. | ... | Seed was again put down in the plantation of 1887-88 over an area of 5 acres in places where the seedlings of previous year had failed, 3,000 blanks being thus re-sown. |
| | | | Teak seedlings .. | 500 | ... | Were transplanted this season to fill vacancies caused by failures in the previous year.<br>Previous sowings :—<br>A good deal of the seed sown did not germinate, and a considerable number of trees died during the year, the failures chiefly consisted of ein, bijasal, teak, karum, anjan and Karanji.<br>As in the previous year, rohan and kahu did best. |
| Do. ... | Ba laghat .. | Pandratola Reserve. | Teak, tinsa, saj, rohan, mohwa and mango. | 1,228 | ... | 1,228 plants of the different species noted were put out in the open glades in pits 5 feet apart from each other, along the outer boundary. No expenditure, as the work was done by Forest Guards during last rains. |
| | | Uskal Reserve . | Bija, teak, sheshum and khamair. | ... | 202 10 10 | Strip felling was carried out over an area of 20 acres. Across the belts cleared 12,800 pits with a diameter of one foot by two feet deep were prepared four feet apart from each other, and in lines 15 feet apart and sown with seed, and in some instances with plants of bija, teak, sheeshum and khamair at a total cost of Rs. 202-10-10, which includes cost for cutting worthless trees, digging, sowing and carriage for seed. |
| | | Sonawani Range | Do. ... | ... | 295 2 3 | An equal area (*i. e.* 20 acres) was similarly operated on in Sonawani range, the only difference being that the pits here were 11,582 and the total cost Rs. 295-2-3.<br>General :—<br>It has been noticed that during last summer the young seedlings withered from want of protection from the sun and hot winds, but it is expected a large percentage is still alive and will throw up shoots during the coming rains. |
| Do. ... | Seoni ... | Korai Block ... | Sheshum, bija, tinsa, babool, tendoo and mohwa. | 12 maunds of seed. | 9 8 0 | A plot of 12 acres near Khapa and two more of 8 and 6 acres at Sakadeye were sown with the seed. The two plots of 12 and 8 acres have succeeded, the other mostly failed. The principal seedlings are babool, sheshum and bija. |

## Appendix F.—(Contd.)

| Circle. | Forest Division. | Block or Reserve. | Species planted out. | Number. | Cost. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | |
| Southern... | Raipur ... | Lown Range ... | ... | ... | ... | Experiment was made to plant up blanks in this range with "gundri" grass, but this proved a failure. |
| | | Kantranala Reserve. | ... | ... | ... | General :— Some few years previously a teak plantation had been made in the Kantranala Reserve, which has not turned quite a success, the tallest plant being 3 feet, while a great many are only a few inches. |
| | | Khamtarrai and the Junction of the Sondur with the Kajar | ... | ... | ... | There are two other teak plantations, one at Khamtarrai and the other near the junction of the Sondur with the Kajar Naddi. These plantations are progressing favourably and promise, in time, to become valuable forests. |
| Do. ... | Bilaspur ... | Lormi Reserve.. | ... | ... | ... | Teak nurseries and plantations were begun by Mr. Hicks in 1888. The plantations at Deosara are fairly successful, only a small percentage having succumbed. The nursery at Bindawal failed, only very few seeds having germinated. |
| | | Sonakhan Reserve. | ... | ... | ... | The plantation of anjan, undertaken at Salai in the Sonakhan Range, failed almost completely, due to the seeds having been sown too late to allow of the seedlings having the full benefit of the rains. The experiment will be repeated this season. |
| Northern... | Saugor ... | Hathkoo Range. | Cuttings of gunja with seed of saj, bija, tinsa, gurar, dhaura, tendu, &c., sown between. | ... | ... | Some experimental plantings and sowings of the species noted were intended to be made over an area of 10 acres at "Chakk Choka," but the ground not having been ploughed in time, the work could not be carried out this year. Orders have been issued to carry out the same this coming rains. |
| | | Saugor Hills ... | ... | ... | ... | Some experimental sowings were tried which did not end in success, the soil being too stony in places to be penetrated with a plough, even after a downpour of rain. Further experiments will be tried this comeing rains through the agency of our protective forest establishment. |
| Do. ... | Damoh ... | Kishan Talao near the Civil Station of Domoh. | Teak ...<br>Mohwa ...<br>Tamarind ...<br>Achar ...<br>Bija ...<br>Koha ...<br>Hurra ...<br>Mangoes ... | 20<br>266<br>265<br>50<br>50<br>240<br>40<br>40 | 360 11 3 | The number of different species specified were planted during the year at Kishan Talao. The cost incurred in maintaining nursery and deepening the Talao to a further depth of 1½ feet amounted to Rs. 360-11-3 against Rs. 300 budgetted for during 1890-01. These plants when they obtain sufficient growth, are transplanted in the Forest during the monsoon. |

## Appendix F.—(Concld.)

| Circle. | Forest Division. | Block or Reserve | Species planted out. | Number. | Cost. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | |
| Northern.. | Mandla ... | Banjar Reserve. | Up-keep of the garden attached to the Inspection hut at Kanha. | ... | 54 8 0 | This amount is not shown in Form 52, as not spent on plantation, although charged to A VIII(*d*). |
| Do. ... | Narsinghpur.. | ... | ... | ... | ... | No attempts made at artificial reproduction during the year under report. As suggested by Deputy Commissioner it is being arranged to collect seeds of the more rapid growing kinds to sow in blanks in the rich soil of Sale-Chouka and other places. |
| Do. ... | Betul ... | Khamapur Reserve. | Mango ... | 3,400 | ... | Were planted along fire lines in places where the former trees had withered during the year. Of the 1,200 anjan plants of the past year 795 died during the year. |
| | | Bowergarh Range. | Mango ... | 1,000 | ... | Planted in pits dug last year. 1,000 more pits are kept ready for this coming rains. |
| | | | Mango ... | 830 | ... | Plants of last year failed; have been replanted this year. |
| | | | Anjan ... | ... | ... | Anjan seeds were sown this year near Menda in 20 chains of land. |
| | | Rainpura Range. | Anjan (seed) ... | 600 pits | ... | Anjan seeds were sown in 600 pits this year, all the seed germinated during the rains but died in the dry season. |

# Appendix G.

## Notes on Improvement Fellings recorded by Forest Divisional Officers during 1889-90.

| Circle. | Forest Division. | Reserve or Block. | Nature of fellings. | Area over which the fellings were carried out. | Yield in material. | | | | | | | | Cost during the year 1889-90. | Receipts realized by sale of the materials during 1889-90. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Teak poles. | Teak stumps. | Fire wood. | Other poles. | Myals. | Murhkas. | Dharus. | | | | |
| | | | | Acres. | No. | Cart-loads. | Cart-loads. | No. | | | | | Rs. a. p | Rs. a. p. | |
| Southern ... | Chanda ... | Bhimaram, compartments Nos. 18, 19 & 20. | Improvement cuttings .. | 397 | ... | ... | ... | ... | ... | ... | ... | ... | 68 15 9 | ... | 1,492 trees were girdled and other species removed to encourage the growth of teak. Climbers were also cut out. |
| Do. ... | Wardha ... | Erjhar ... | Improvement cuttings . | 14 | 1,234 | 23 | 84 | 410 | ... | ... | ... | ... | 140 7 3 | 563 13 2 | The cuttings were in bands 50 feet wide placed at intervals of 100 feet. All badly grown trees were cut out, and all stools were carefully dressed to ensure reproduction by stool shoots. |
| | | Dhagga . | Do. .. | 16 | 1,517 | 13 | 74 | ... | ... | ... | ... | ... | 151 9 9 | 573 1 9 | |
| | | Malsigaon .. | Do. .. | 22 | 3,114 | 17 | 216 | ... | ... | ... | ... | ... | 258 8 9 | 932 4 9 | |
| Do. ... | Balaghat ... | Uskal .. | Improvement cuttings . | 20 | ... | ... | ... | ... | ... | ... | ... | ... | 66 6 0 | ... | The fellings were in strips of 66 feet wide placed at intervals of 132 feet apart. All worthless and badly grown trees were only cut. Climbers were also cut out. |
| | | Sonawani ... | Do. .. | 20 | ... | ... | ... | ... | ... | ... | ... | ... | 137 7 3 | ... | |
| Do. ... | Raipur ... | Kongera Ghotgaon .. | Early thinnings ... | 28 | ... | ... | . | ... | ... | ... | .. | ... | ... | ... | Early thinnings were carried out, and the number of trees cut per acre averaged 28·8. |
| | | Ranikhole .. | Clear fellings. | 14 | ... | ... | 8,411 c. ft | ... | 64 | 180 | 364 | ... | 89 10 3 | .. | The fellings were undertaken on the Sorid boundary, the bands running north and south, and being 66 feet in width, the uncleared strips between the bands being 132 feet in width. All growth on these bands, with the exception of good growing trees of the better species, was cut flush with the ground. |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Northern | Mandla | Dhanwahi | Improvement cuttings | 12,273 | ... | ... | ... | ... | ... | ... | ... | ... | 39 12 0 | ... | | | | 325 ill-grown and badly-formed teak trees were felled. |
| Do. | Nimar | Do. | Do. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | Forest Divisional Officer reports that thinnings are not required, as the forests are thin by nature. |
| Do. | Narsinghpur | Rajgarha | Early thinnings | 100 | 5,843 | ... | ... | ... | ... | ... | ... | ... | 52 12 4 | 199 | 14 | 4 | | Only suppresser and unpromising poles were cut out. |
| | | | | | | | | | | | Value of poles in stock. | | | 450 | 8 | 2 | | |
| | | | | | | | | | | | | | | 650 | 6 | 6 | | |
| Do. | Do. | Chongaon | Improvement cuttings | 150 | ... | ... | ... | ... | ... | ... | ... | ... | 162 2 3 | 1,471 | 2 | 5 | | All crooked and unpromising teak trees were cut over. The stools which were treated last year have sent up most promising and healthy shoots, some of which have made a growth of 10 feet in height. |

# Appendix H.

*Notes on Communications and Buildings recorded by Forest Divisional Officers, 1889-90.*

| Circle. | Forest Division. | Block or Reserve. | Particulars. | New works. Number. | New works. Cost. | Old works. Number. | Old works. Cost. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | | Rs. a. p. | |
| | | | *A.—Communications.* | | | | | |
| Southern ... | Nagpur ... | Sylaree Khappa ... | Cart-road of Sylaree Salama—6 miles long | ... | ... | 1 | 6 0 0 | Repairs. |
| | | ... | Cart-road of Sooraira Toolyapar—5 miles long | ... | ... | 1 | 3 0 0 | Do. |
| | | ... | Cart-road of Tolia Kundlai—12 miles long | ... | ... | 1 | 8 0 0 | Do. |
| | | Nurhar | Cart-road of Jaitpur—2 miles long .. | ... | ... | 1 | 2 0 0 | Do. |
| | | ... | Cart-road of Guldeo—8 miles long ... | ... | ... | 1 | 13 9 0 | Do. |
| | | | Total ... | ... | .. | 5 | 32 9 0 | |
| | | | *B.—Buildings.* | | | | | |
| | | Katol ... | Forest Guards' huts ... | 6 | 75 0 0 | ... | ... | New works. |
| | | Sylaree Khappa ... | Do. ... | ... | ... | 6 | 15 0 0 | Repairs. |
| | | Nurhar ... | Do. ... | ... | ... | 8 | 16 11 0 | Do. |
| | | Bewgar ... | Do. .. | .. | ... | 3 | 6 0 0 | Do. |
| | | Chorbaoli ... | Do, ... | ... | ... | 3 | 13 0 0 | Do, |
| | | | Total ... | 6 | 75 0 0 | 20 | 50 11 0 | |
| | | ... | Total Communications and Buildings ... | 6 | 75 0 0 | 25 | 83 4 0 | |
| | Bhandara ... | | ... | ... | ... | ... | ... | Nothing to record and no expenditure incurred under this head. |
| | | | *A.—Communications.* | | | | | |
| | Chanda ... | ... | 183 miles of old cart-roads in the Moharli, Dhaba and Haveli ranges ... | ... | ... | ... | 467 13 6 | Repairs. |
| | | | *B.—Buildings.* | | | | | |
| | ... | ... | Foresters and Forest guards' nakas ... | *2 | 93 4 0 | 2 | 5 4 0 | *Purchased from the District Fund Department. |
| | | Warora ... | | | | | | |
| | | Haveli ... | Do. | ... | ... | 5 | 24 6 0 | Repairs. |
| | | Gunjewahi ... | Do. | 5 | 148 7 6 | ... | ... | New works. |
| | | Ghot ... | Do. | ... | ... | 2 | 3 7 6 | Repairs. |
| | | Moharli ... | Do. | 14 | 163 13 3 | 5 | 32 3 6 | New works and repairs. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ahiri | ... | Marnil Rest-house | . | 1 | 103 | 8 | 8 | ... | ... | | Completed during the year. Total cost on this work Rs. 282-6-7. |
| | | Do. | | Alapelli Rest-house | .. | ... | ... | | | *1 | 413 | 5 | 5 *The building being in a very broken down condition, the walls, floor and roof were pulled down and entirely rebuilt. A new cook-room and out-houses were also added. |
| | | Do. | | Alapelli Range Office | ... | 1 | 99 | 10 | 7 | ... | ... | | Completed during the year. Total cost on this work Rs. 142. |
| | | Do. | | Alapelli Hospital | ... | .. | .. | | | 1 | 19 | 1 | 9 Repairs. |
| | | Chanda. | . | Head-quarters bungalow and out-houses | .. | ... | ... | | | 1 | 53 | 6 | 3 Do. |
| | | | | Elephant shed | .. | .. | ... | | | 1 | 4 | 4 | 6 Do. |
| | | | | Warora Timber Depôt | ... | .. | ... | | | 1 | 18 | 1 | 6 Do. |
| | | | | Total | ... | 23 | 608 | 12 | 0 | 19 | 574 | 2 | 5 |
| | | | | Total Communications and Buildings | ... | 23 | 608 | 12 | 0 | 19 | 1,041 | 15 | 11 |
| | | | | *A.—Communications.* | | | | | | | | | |
| Wardha | ... | Malaigaon | ... | Cart-road of Borkhairi—3½ miles long | .. | .. | ... | | | 1 | 4 | 15 | 6 Repairs. |
| | | | | *B.—Buildings.* | | | | | | | | | |
| | ... | Ashti | ... | Forest guards' huts | .. | .. | ... | | | 7 | 18 | 2 | 0 Repairs. |
| | ... | Erjhar | ... | Do. | ... | .. | ... | | | 2 | 4 | 8 | 0 Do. |
| | ... | Dhujja | ... | Do. | ... | .. | ... | | | 1 | 1 | 2 | 9 Do. |
| | ... | Malaigaon | .. | Do. | .. | .. | ... | | | 2 | 10 | 3 | 6 Do. |
| | | | | Total | .. | .. | ... | | | 12 | 34 | 0 | 3 |
| | | | | Total Communications and Buildings | . | ... | ... | | | 13 | 38 | 15 | 9 |
| | | | | *A.—Communications.* | | | | | | | | | |
| Balaghat | .. | Sonawani | ... | Cart-road from mauza Rumruma to Sonawani—5 miles long | ... | 1 | 200 | 0 | 0 | ... | ... | | New works. |
| | | | | *B.—Buildings.* | | | | | | | | | |
| Do. | | Paraswara | .. | Forest Chowkis | ... | 15 | 150 | 0 | 0 | ... | ... | | New works. |
| | | Sarekha | .. | Do. | .. | 4 | 40 | 0 | 0 | ... | ... | | Do. |
| | | Bhaisanghat | .. | Do. | ... | 2 | 20 | 0 | 0 | ... | ... | | Do. |
| | | Sonawani | .. | Do. | ... | 9 | 90 | 0 | 0 | ... | ... | | Do. |
| | | Do. | | Do. | ... | .. | ... | | | 6 | 45 | 3 | 6 Repairs. |
| | | | | Total | ... | 30 | 300 | 0 | 0 | 6 | 45 | 3 | 6 |
| | | | | Total Communications and Buildings | ... | 31 | 500 | 0 | 0 | 6 | 45 | 3 | 6 |

## Appendix H.—(Contd.)

| Circle. | Forest Division. | Block or Reserve. | Particulars. | New works. Number. | New works. Cost. | Old works. Number. | Old works. Cost. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | *A.—Communications.* | | Rs. a. p. | | Rs. a. p. | |
| Southern .. | Seoni ... | Kurai ... | Bukhar and Khamba ghats ... | ... | ... | ... | 1 8 0 | Repairs. |
| | | | *B.—Buildings.* | | | | | |
| | " .. | Do. ... | Kurai Forest bungalow ... | .. | ... | 1 | 37 10 3 | Re-thatching. |
| | " ... | Do. ... | Do. well ... | ... | ... | ... | 7 0 0 | Repairs |
| | " ... | Gangeynala ... | Forest guards' nakas .. | 2 | 20 0 0 | ... | 5 0 0 | New works and repairs. |
| | " ... | Do. .. | Foresters' naka ... | 1 | 15 0 0 | ... | ... | New works. |
| | " ... | Oogly .. | Forest naka ... | 5 | 27 0 0 | .. | 22 0 0 | New works and repairs. |
| | " ... | Dhooma ... | Do. ... | 2 | 11 0 0 | ... | ... | New works. |
| | " .. | Kurai ... | Do. ... | ... | ... | ... | 22 3 6 | Repairs. |
| | " ... | | Total ... | 10 | 73 0 0 | 10 | 93 13 9 | |
| | | | Total Communications and Buildings... | 10 | 73 0 0 | ... | 95 5 9 | |
| | | | *A.—Communications.* | | | | | |
| | Chhindwara ... | ... | ... .. | .. | ... | ... | ... | No information to record. |
| | | | *B.—Buildings.* | | | | | |
| | | | Houses for Range and Sub-range Officers. | 10 | 360 0 0 | .. | ... | New works. |
| | | | Houses for Forest guards .. | 6 | 36 0 0 | .. | 28 15 9 | |
| | | | Total Communications and Buildings... | 16 | 396 0 0 | .. | 28 15 9 | Do. and repairs. |
| | | | *A.—Communications.* | | | | | |
| | Raipur ... | | Cart-road from Mehdi to Kongera, 36 miles long ... | ... | ... | ... | ... | Surface repairs in places to render traffic possible. No cost, as the labour was given free. |
| | | | Cart-road from Dhamteri to Bhotha, 36 miles long ... | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | *B.—Buildings.* | | | | | | | |
| | | | Forest nakas ... | ... | ... | | ... | 51 | 0 | 0 | Repairs. |
| | | | Total Communications and Buildings... | ... | ... | | ... | 51 | 0 | 0 | |
| | | | *A.—Communications.* | | | | | | | |
| Bilaspur ... | Sonakhan ... | | Road from Maharajighat—10 chains long. | 1 | 193 | 12 | 0 | ... | ... | | New works. |
| | Kuajathi Pantrora. | | Road from the Jeoraghat, 316 feet to a breadth of 20 feet ... | 1 | 144 | 9 | 0 | ... | ... | | Do. |
| | | | Total ... | 2 | 338 | 5 | 0 | .. | ... | | |
| | | | *B.—Buildings.* | | | | | | | |
| | Lormi .. | | Forest naka ... | ... | ... | | .. | 8 | 0 | 0 | Repairs. |
| | | | Total ... | ... | ... | | ... | 8 | 0 | 0 | |
| | | | Total Communications and Buildings... | 2 | 338 | 5 | 0 | .. | 8 | 0 | 0 | |
| | | | *A.—Communications.* | | | | | | | |
| Sambalpur ... | ... | | ... ... | ... | ... | | .. | ... | | | |
| | | | *B.—Buildings.* | | | | | | | |
| | ... | | Forest naka at Porgorhal ... | 1 | 16 | 0 | 0 | ... | ... | | New works. |
| | ... | | Do. Amjhar ... | 1 | 2 | 0 | 0 | ... | ... | | Do. |
| | ... | | Do. Tala ... | 1 | 3 | 0 | 0 | ... | ... | | Do. |
| | ... | | Forest nakas ... | ... | ... | | | ... | 100 | 0 | 0 | Repairs. |
| | | | Total ... | 3 | 21 | 0 | 0 | ... | 100 | 0 | 0 | |
| | | | Total Communications and Buildings... | 3 | 21 | 0 | 0 | ... | 100 | 0 | 0 | |

## Appendix H.—(Contd.)

| Circle. | Forest Division. | Block or Reserve. | Particulars. | New works. Number. | New works. Cost. | Old works. Number. | Old works. Cost. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | | | Rs. a. p. | | Rs. a. p. | |
| | | | *A.—Communications.* | | | | | |
| Northern ... | Jubbulpore ... | ... | ..... | ... | ... | ... | 2 6 0 | Repairs. |
| | | | *B.—Buildings.* | | | | | |
| | | | Forest nakas .. | ... | ... | ... | 38 5 6 | Repairs. |
| | | | Total Communications and Buildings... | ... | ... | ... | 40 11 6 | |
| | | | *A.—Communications.* | | | | | |
| | Saugor ... | Sohagpur ... | Bussa-Hiranpur road, 7 miles long, was miled out with 7 stones ... | 1 | 2 0 0 | .. | ... | New works. |
| | | Garhakota ... | Ghogra road, 2½ miles long ... | ... | ... | 1 | 4 0 0 | Repairs. |
| | | Ranipura ... | Chittoli road, 73 chains long .. | . | ... | 1 | 1 0 0 | Do. |
| | | Hathko .. | Chirchitta, road 1 mile 31 chains long ... | ... | ... | 1 | 2 0 0 | Do. |
| | | Do. ... | Simiria road, 2 miles 14 chains long .. | ... | ... | 1 | 4 0 0 | Do. |
| | | Do. ... | Bhawargarh, road 1 mile 53 chains long... | ... | ... | 1 | 2 0 0 | Do. |
| | | Rangir ... | Bazarghati road, 3 miles 2 chains long ... | ... | ... | 1 | 6 8 0 | Do. |
| | | Do. .. | Champaghati road, 1 mile long ... | ... | ... | 1 | 3 8 0 | Do. |
| | | Saugor (Block) ... | Lachmunpura road, 1 mile 60 chains long | ... | ... | 1 | 3 0 0 | Do. |
| | | Rehli (Do.) .. | Joheria or Sarripani road, 4 miles long ... | ... | ... | 1 | 2 0 0 | Do. |
| | | Do. ... | Ramgarha road 2, miles 35 chains long... | ... | ... | 1 | 8 0 0 | Do. |
| | | | Total ... | 1 | 2 0 0 | 10 | 36 0 0 | |
| | | | *B.—Buildings.* | | | | | |
| | | Hathko ... | Forest chowkis ... | 2 | 27 0 0 | 2 | 5 0 0 | New works and repairs. |
| | | Do. ... | Ghorjhamer office ... | ... | ... | 1 | 11 0 0 | Repairs. |
| | | Garhakota ... | Forest chowkis ... | ... | ... | 4 | 12 0 0 | Do. |
| | | Ranipur ... | Do. ... | ... | ... | 1 | 7 0 0 | Do. |
| | | Rangir ... | Do. ... | ... | ... | 4 | 8 0 0 | Do. |
| | | Do. ... | Forest Divisional office ... | ... | ... | .. | 0 7 0 | Windows repaired. |
| | | | Total ... | 2 | 27 0 0 | 12 | 43 7 0 | |
| | | | Total Communications and Buildings... | 3 | 27 0 0 | 22 | 81 7 0 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *A.—Communications.* | | | | | | | | | |
| | | | ..... | ... | | | | ... | | | | No mention made in the Annual Forest Report. |
| | | | *B.—Buildings.* | | | | | | | | | |
| Damoh | ... | ... | An old Outpost at Jhapan for Forest guards .. | *1 | 40 | 0 | 0 | ... | ... | | | * Purchased from the Police Department. New works. |
| | | | Forest nakas .. | 4 | 40 | 0 | 0 | 1 | 1 | 0 | 0 | New works and repairs. |
| | | | Total ... | 5 | 80 | 0 | 0 | 1 | 1 | 0 | 0 | |
| | | | Total Communications and Buildings ... | 5 | 80 | 0 | 0 | 1 | 1 | 0 | 0 | |
| | | | *A.—Communications* | | | | | | | | | |
| Mandla | ... | Banjar ... | Cart-road from Kanha to Kopidabra, 4 miles long .. | 1 | 246 | 0 | 0 | .. | ... | | | New works. |
| | | Do. ... | Cart-road of Kanha Kisli, 6 miles long... | .. | .. | | | 1 | 217 | 9 | 5 | Repairs. |
| | | | Total .. | 1 | 246 | 0 | 0 | 1 | 217 | 9 | 5 | |
| | | | *B.—Buildings.* | | | | | | | | | |
| | | Banjar ... | Inspection huts of Kisli, Kanha and Mocha .. | ... | ... | | | 3 | 101 | 0 | 0 | Repairs. |
| | | Do. ... | Foresters' hut at Kisli ... | ... | ... | | | 1 | 4 | 0 | 0 | Do. |
| | | Do. ... | Forest guards' huts ... | ... | ... | | | .. | 24 | 0 | 0 | Do. |
| | | Do. ... | Luckergunge Depôt . | .. | ... | | | 1 | 43 | 0 | 0 | Do. |
| | | Motinala ... | Ranger's hut .. | 1 | 100 | 0 | 0 | .. | ... | | | New works. |
| | | Do. ... | Godown .. | 1 | 30 | 0 | 0 | ... | ... | | | New works. |
| | | Do. ... | Forest guadrs' huts ... | . | ... | | | .. | 44 | 0 | 0 | Repairs. |
| | | Jugmandal ... | Foresters' huts at Ramnugger and Mohgaon .. | 2 | 19 | 0 | 0 | ... | ... | | | New works. |
| | | Do. .. | Semaria Inspection hut ... | ... | ... | | | 1 | 15 | 0 | 0 | Repairs. |
| | | Do. ... | Foresters' huts at Semaria and Surella .. | .. | ... | | | 2 | 15 | 0 | 0 | Do. |
| | | Mandla ... | Forest guards' huts .. | ... | ... | | | .. | 29 | 0 | 0 | Do. |
| | | Shahapura ... | Do. ... | ... | ... | | | ... | 30 | 0 | 0 | Do. |
| | | Dindori ... | Do. .. | .. | ... | | | ... | 20 | 0 | 0 | Do. |
| | | Danwahi ... | Ranger's hut at Chargaon ... | 1 | 100 | 0 | 0 | ... | ... | | | New works. |
| | | Do. ... | Forest guards' huts ... | .. | ... | | | . | 20 | 12 | 5 | Repairs. |
| | | Gwarighat ... | Timber Depôt ... | ... | ... | | | 1 | 16 | 0 | 0 | Do. |
| | | | Total ... | 5 | 249 | 0 | 0 | *9 | 361 | 12 | 5 | * Exclusive of the number of Forest guards' huts repaired. |
| | | | Total Communications and Buildings ... | 6 | 495 | 0 | 0 | 10 | 579 | 5 | 10 | |

## Appendix H.—(Concld.)

| Circle. | Forest Division. | Block or Reserve. | Particulars. | New works. Number. | New works. Cost. | Old works. Number. | Old works. Cost. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| | | | *A.—Communications.* | | Rs. a. p. | | Rs. a. p. | |
| Northern ... | Hoshangabad ... | Bori ... | Existing Forest roads ... | ... | .. | ... | 60 1 0 | Repairs. No mention made in the Annual Forest Report, figures obtained from Form No. 33. |
| | | | *B.—Buildings.* | | | | | |
| | | Do. ... | Forest hut at Dhani ... | ... | ... | 1 | 5 0 0 | Repairs. |
| | | B Class Forest ... | Forest huts ... | ... | ... | 25 | 54 12 0 | Do. |
| | | | Total ... | ... | ... | 26 | 59 12 0 | |
| | | | Total Communications and Buildings ... | ... | ... | 26 | 119 13 6 | |
| | | | *A.—Communications.* | | | | | |
| | Betul ... | Ranipura ... | Cart-road from Mowar to Chowki, 4 miles long ... | 1 | 266 6 3 | ... | ... | New works. |
| | | | Cutting and measuring the road at Ladee | ... | 4 8 0 | . | ... | Do. |
| | | | Cart-road from Bandraghat to Kachher, 15 miles long ... | .. | ... | 1 | 49 6 6 | Do. Repairs. |
| | | | Shahapura road, 7 miles long .. | ... | ... | 1 | 43 2 0 | Do. |
| | | | Mendha road, 5 miles long ... | ... | ... | 1 | 34 1 6 | Do. |
| | | | Khokra road, 4 miles long ... | ... | ... | 1 | 29 12 0 | Do. |
| | | | Total ... | 1 | 270 14 3 | 4 | 156 6 0 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *B.—Buildings.* | | | | | | | | | |
| | Betul ... | Ranipura ... | Ranipura and Mowar nakas .. | 2 | 63 | 0 | 0 | ... | ... | | | New works. |
| | | Do. ... | Forest nakas ... | 2 | 22 | 0 | 0 | ... | ... | | | Do. |
| | | Dhaba ... | Dhaba naka .. | 1 | 25 | 0 | 0 | .. | ... | | | Do. |
| | | Do. ... | Forest naka ... | ... | ... | | | 1 | 3 | 0 | 0 | Repairs |
| | | Bowergarh ... | Do. ... | ... | ... | | | 1 | 3 | 0 | 0 | Do. |
| | | B Class Forest ... | Do. ... | ... | ... | | | 1 | 3 | 7 | 6 | Do |
| | | Do. | Dakli naka .. | ... | ... | | | 1 | 5 | 0 | 0 | Do. |
| | | Do. | Dhaorakhar naka ... | ... | ... | | | 1 | 3 | 6 | 0 | Do. |
| | | | Total ... | 5 | 110 | 0 | 0 | 5 | 17 | 13 | 6 | |
| | | | Total Communications and Buildings ... | 6 | 380 | 14 | 3 | 9 | 174 | 3 | 6 | |
| | | | *A.—Communications.* | | | | | | | | | |
| | | | ..... | ... | ... | | | ... | ... | | | No information to record. |
| | Nimar .. | ... | *B.—Buildings.* | | | | | | | | | |
| | | Punassa ... | Rest house ... | ... | ... | | | 1 | 231 | 0 | 0 | Repairs which include re-building out-houses. |
| | | Do. ... | Forest chowkis ... | ... | ... | | | 3 | 12 | 4 | 0 | Repairs. |
| | | Chandgarh ... | Do. ... | ... | ... | | | 3 | 15 | 0 | 0 | Do. |
| | | Singaji ... | Do. ... | 1 | 2 | 10 | 0 | 2 | 8 | 0 | 0 | New works and repairs. |
| | | Khandwa ... | Do. ... | 3 | 66 | 4 | 3 | ... | ... | | | New works. |
| | | Undria Baoria ... | Do. ... | ... | ... | | | 1 | 3 | 8 | 0 | Repairs. |
| | | Kanapur ... | Do. ... | ... | ... | | | 1 | 5 | 0 | 0 | Do. |
| | | Mandwa ... | Do. ... | ... | ... | | | 2 | 40 | 12 | 0 | Do. |
| | | Amba Dehri ... | Do. ... | 2 | 50 | 2 | 6 | 1 | 11 | 4 | 0 | New works and repairs. |
| | | Shamerdeo ... | Do. ... | ... | ... | | | 2 | 10 | 0 | 0 | Repairs. |
| | | Jambupani ... | Do. ... | 1 | 14 | 0 | 0 | 2 | 22 | 8 | 0 | New works and repairs |
| | | Gondwana ... | Do. ... | ... | ... | | | 1 | 3 | 15 | 0 | Repairs. |
| | | B Class Forests ... | Forest nakas ... | 2 | 30 | 0 | 0 | 5 | 36 | 6 | 3 | New works and repairs. |
| | | | Total .. | 9 | 163 | 0 | 9 | 24 | 399 | 9 | 0 | |
| | | | Total Communications and Buildings ... | 9 | 163 | 0 | 9 | 24 | 399 | 9 | 0 | |
| | | | *A.—Communications.* | | | | | | | | | |
| Northern ... | Narsinghpur ... | ... | ..... | ... | ... | | | ... | ... | | | No information to record. |
| | | | *B.—Buildings.* | | | | | | | | | |
| | | | Nakas for the accommodation of Forest subordinates. ... | 4 | 120 | 5 | 6 | ... | ... | | | New works. The buildings will be completed before the commencement of the rains. |

# Appendix J.

Statement of Forest buildings in the Central Provinces costing over Rs. 200 each at the close of 1889-90.

| Division. | Situation | Description of buildings. | Original cost: Of buildings on hand at commencement of the year. | Original cost: Of buildings constructed during the year. | Cost of repairs during the year. | Rent realized in 1889-90. | Remarks. |
|---|---|---|---|---|---|---|---|
| | | | Rs. a. p. | Rs. a. p. | Rs. a. p | Rs. a. p | |
| | *Southern Circle.* | | | | | | |
| Chanda ... | Chanda Civil Station. ... | Terrace roof bungalow ... | 8,000 0 0 | ... | 53 6 3 | 323 3 7 | For portion of the building. |
| | Moharli ... | Rest house ... | 500 0 0 | ... | 27 7 6 | ... | |
| | Allapalli ... | Rest house ... | 300 0 0 | ... | 413 15 5 | ... | |
| Seoni ... | Kurai ... | Small pucka inspection bungalow .. | 1,000 0 0 | ... | 37 12 3 | ... | |
| | Rukar ... | Small pucka inspection bungalow ... | 306 14 9 | ... | 0 8 0 | ... | |
| | *Northern Circle.* | | | | | | |
| Jubbulpore ... | Kitowli ... | Rest house, 1 room and verandah kutcha walls | 400 0 0 | ... | 32 1 6 | ... | |
| Saugor ... | Garhakota .. | Pucka inspection bungalow ... | 1,000 0 0 | ... | ... | ... | |
| | Do. .. | Four roomed barrack kutcha ... | 210 0 0 | ... | 9 0 0 | ... | |
| Mandla ... | Kisli .. | Store house, 4 rooms and verandah, packa brick walls. | 446 0 0 | ... | 4 8 0 | ... | |
| Nimar ... | Kirgaon ... | Packa rest house ... | 1,182 8 3 | ... | ... | ... | |
| | Punassa ... | Packa rest house ... | 629 10 0 | ... | 189 0 0 | ... | |
| | Head-quarters .. | Small packa bungalow ... | 4,054 0 0 | ... | ... | ... | |

# Appendix K.

*Statement showing the number of animals grazed and the income derived therefrom during 1889-90.*

| Districts. | Cows and bullocks. | | Buffaloes. | | Goats. | | Sheep. | | Ponies. | | Donkeys. | | Camels. | | Elephants. | | Cattle. | | Other animals | | Total. | | Revenue from grass. | Total Revenue. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | Amount. | No. | Amount | No. | Amount. | No. | Amount. | No. | Amount. | No | Amount. | No. | Amount. | No. | Amount | No. | Amount. | No. | Amount. | No. | Amount. | | |
| **Southern Circle.** | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. | Rs. | Rs. |
| Balaghat ... | 116,620 | 19,143 | 11,359 | 3,629 | 9,727 | 765 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 679 | 137,712 | 24,216 | 3,022 | 27,238 |
| Bhandara .. | 67,568 | 13,235 | 4,988 | 1,951 | 10,565 | 863 | 6,303 | 342 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 23 | 2 | 89,418 | 16,384 | 6,623 | 23,007 |
| Bilaspur ... | 28,912 | 4,141 | 5,068 | 1,555 | 797 | 63 | 13 | 1 | 145 | 35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 34,955 | 5,795 | 7,710 | 13,505 |
| Chanda ... | 360,119 | 43,977 | 56,774 | 11,807 | 80,116 | 4,612 | 102,713 | 3,355 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 599,722 | 63,751 | 2,887 | 66,638 |
| Chhindwara ... | 183,869 | 26,264 | 22,528 | 6,083 | 17,286 | 935 | 6,076 | 311 | 138 | 20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 229,897 | 33,613 | 2,084 | 35,697 |
| Nagpur ... | 74,001 | 14,070 | 5,571 | 2,030 | 17,108 | 1,148 | 19,223 | 1,178 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | — | 115,903 | 18,426 | 2,866 | 21,292 |
| Wardha ... | 77,936 | 14,878 | 14,703 | 5,521 | 202 | 24 | 62 | 2 | 35 | 9 | ... | ... | ... | ... | ... | ... | 3,353 | 891 | ... | ... | 96,291 | 21,325 | 3,764 | 25,089 |
| Raipur ... | 101,568 | 12,588 | 11,443 | 4,244 | 3,647 | 285 | 32 | 2 | 51 | 16 | ... | ... | 3 | 1 | ... | ... | ... | ... | ... | ... | 116,744 | 17,136 | 16,338 | 33,474 |
| Sambalpur ... | 24,924 | 2,590 | 4,157 | 689 | 1,430 | 105 | 262 | 9 | 1 | ... | ... | ... | ... | ... | 3 | 1 | ... | ... | ... | ... | 30,777 | 3,394 | 13 | 3,407 |
| Seoni ... | 192,991 | 31,576 | 24,353 | 6,921 | 14,071 | 1,331 | ... | ... | 3 | 1 | ... | ... | ... | ... | ... | ... | 623 | 36 | ... | ... | 232,041 | 39,865 | 2,384 | 42,249 |
| Total .. | 1,228,508 | 1,82,462 | 160,961 | 44,430 | 154,949 | 10,121 | 134,690 | 5,200 | 374 | 82 | ... | ... | 3 | 1 | 3 | 1 | 3,976 | 927 | 23 | 681 | 1,683,490 | 243,905 | 47,691 | 2,91,596 |
| **Northern Circle.** | | | | | | | | | | | | | | | | | | | | | | | | |
| Betul ... | 96,572 | 18,128 | 14,822 | 5,299 | 9,823 | 976 | 3,478 | 297 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 124,195 | 24,700 | 1,811 | 26,511 |
| Damoh ... | 140,584 | 22,419 | 23,833 | 9,454 | 7,953 | 794 | 5,661 | 389 | 35 | 14 | 22 | 2 | 1 | 2 | 1 | 12 | ... | ... | ... | ... | 178,093 | 33,086 | 222 | 33,308 |
| Hoshangabad ... | 138,342 | 23,556 | 21,852 | 7,401 | 2,673 | 256 | 443 | 29 | 208 | 38 | 5 | 1 | 4 | 1 | ... | ... | 22,125 | 352 | 20 | 5 | 185,672 | 30,639 | 2,701 | 33,340 |
| Jubbulpore ... | 52,723 | 9,572 | 6,629 | 2,077 | 364 | 35 | 45 | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 59,761 | 11,697 | 68 | 11,755 |
| Mandla ... | 302,551 | 56,985 | 52,991 | 16,920 | 25,655 | 2,782 | 2,357 | 256 | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 381,559 | 76,943 | 6 | 76,949 |
| Narsinghpur ... | 40,461 | 8,272 | 8,685 | 3,735 | 2,358 | 250 | 1,100 | 78 | ... | ... | ... | ... | ... | ... | 1 | 8 | ... | ... | ... | ... | 52,605 | 12,343 | 457 | 12,800 |
| Nimar ... | 119,807 | 22,920 | 30,110 | 11,258 | 10,719 | 1,141 | 894 | 67 | 133 | 30 | 64 | 15 | 109 | 36 | ... | ... | ... | ... | ... | ... | 161,836 | 35,467 | 4,481 | 39,948 |
| Saugor ... | 135,526 | 22,631 | 32,395 | 10,626 | 4,742 | 520 | 5,685 | 355 | 744 | 116 | 11 | 1 | ... | ... | 1 | 1 | ... | ... | 67 | 12 | 180,171 | 34,262 | 3,437 | 37,699 |
| Total ... | 1,026,566 | 1,83,483 | 192,320 | 66,770 | 63,787 | 6,754 | 19,666 | 1,474 | 1,122 | 198 | 102 | 19 | 114 | 39 | 3 | 21 | 22,125 | 352 | 87 | 17 | 1,325,892 | 2,59,127 | 13,183 | 2,72,310 |
| Total for the Province. | 2,255,074 | 3,65,945 | 353,284 | 1,11,200 | 218,736 | 16,875 | 154,356 | 6,674 | 1,496 | 280 | 102 | 19 | 117 | 40 | 6 | 22 | 26,101 | 1,279 | 110 | 698 | 3,009,382 | 5,03,032 | 60,874 | 5,63,906 |